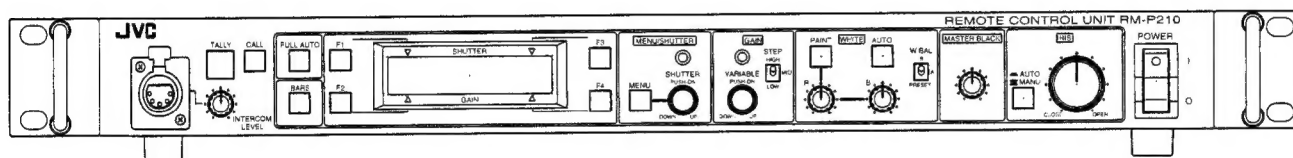


JVC

SERVICE MANUAL

REMOTE CONTROL UNIT

RM-P210U(A)/RM-P210E(A)



As the result of the production process change to from external to internal affecting the model numbers specified below, the internally produced RM-P210 units have the letter "(A)" added to their rating label and are identified by the model names RM-P210U(A) and RM-P210E(A).

However, the changes are exclusively in the parts used, and there is no change in the functions or adjustment methods.

This service manual only describes the matters that are different from the RM-P210. On servicing, refer to the service manual (No. 60136) for RM-P210 together with this. The "TECNICAL INFORMATION" on back of the cover shows differences between RM-P210 and RM-P210(A).

RM-P210U(A) xxxx0145 and after

RM-P210E(A) xxxx0217 and after

■ TECHNICAL INFORMATION

MAIN COMPARISON BETWEEN RM-P210 AND RM-P210(A)

DIFFERENCES		RM-P210	RM-P210(A)	REMARKS
DIP SWITCH SETTING OF MAIN BOARD				
S1		8 switches	2 switches	Used No.1 and No.2 Function does not change
Packing assembly <M1>				
Power cable	U	SCV3045-P-0014U	QMPE160-244-K	
	E	SCV3045-P-0015E	QMPL018-250-R	
RM-P210 assembly <M2>				
AC INLET (symbol 10)		QNC0087-001	QNC0088-001	
FOOT (symbol 16)		QZF1510-001	QZF2008-002	
BOARD BRACKET (symbol 19)		SCV3045-001	Deleted	
Board assembly				
MAIN board assembly <01>	U	SCV3045-PB502A(1)-N Miss printed on the manual	SCK2655-01-N0A	Upper compatible (Note) Pattern is changed to include SUB1 board
	E	SCV3045-PB502A(1)-P Miss printed on the manual	SCK2655-01-P0A	
FR1 board assembly <02>		SCV3045-PB503(1) Miss printed on the manual	SCK2655-02-00A	Upper compatible (Note)
FR2 board assembly <03>		SCV3045-PB503(2) Miss printed on the manual	SCK2655-03-00A	Upper compatible (Note)
CC board assembly <04>		SCV3045-PB502A(2) Miss printed on the manual	SCK2655-04-00A	Upper compatible (Note)
SUB1 board assembly <05>		SCV3045-SUB1	Deleted	Included in MAIN board

(Note) Compatibility of board assembly

The board assemblies in the RM-P210 can be replaced with the board assemblies for the RM-P210(A). However, when changing the MAIN board assembly, it is required to remove the SUB1 board and connect the power supply wire from the CC board directly to CN26 on the MAIN board.

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Important Safety Precautions

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

●Precautions during Servicing

1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

2. Parts identified by the symbol and shaded () parts are critical for safety.

Replace only with specified part numbers.

Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

3. Fuse replacement caution notice.
Caution for continued protection against fire hazard.
Replace only with same type and rated fuse(s) as specified.

4. Use specified internal wiring. Note especially:

- 1) Wires covered with PVC tubing
- 2) Double insulated wires
- 3) High voltage leads

5. Use specified insulating materials for hazardous live parts.
Note especially:

- | | | |
|--------------------|--------------------------------------|------------|
| 1) Insulation Tape | 3) Spacers | 5) Barrier |
| 2) PVC tubing | 4) Insulation sheets for transistors | |

6. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.

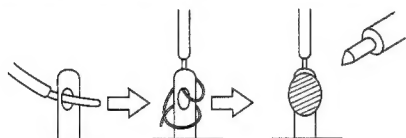


Fig.1

7. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)

8. Check that replaced wires do not contact sharp edged or pointed parts.

9. When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.

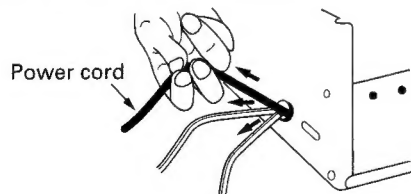


Fig.2

10. Also check areas surrounding repaired locations.

11. Products using cathode ray tubes (CRTs)
In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits. Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

12. Crimp type wire connector

In such cases as when replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.

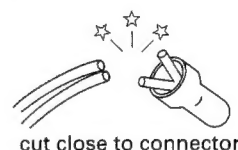
1) **Connector part number** : E03830-001

2) **Required tool** : Connector crimping tool of the proper type which will not damage insulated parts.

3) **Replacement procedure**

(1) Remove the old connector by cutting the wires at a point close to the connector.

Important : Do not reuse a connector (discard it).



cut close to connector

Fig.3

(2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.

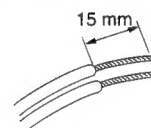


Fig.4

(3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

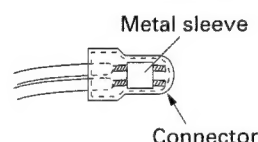


Fig.5

(4) As shown in Fig.6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.



Fig.6

(5) Check the four points noted in Fig.7.

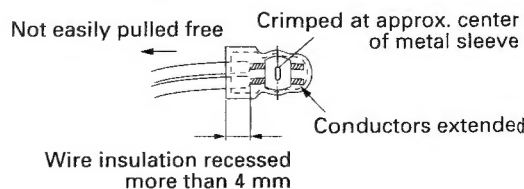


Fig.7

● Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. Insulation resistance test

Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

2. Dielectric strength test

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

3. Clearance distance

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.

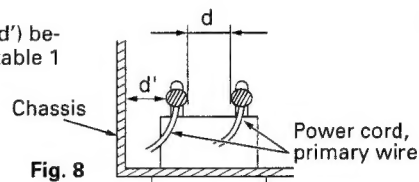


Fig. 8

4. Leakage current test

Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).

Measuring Method: (Power ON)

Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.

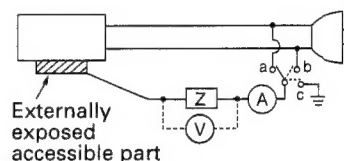


Fig. 9

5. Grounding (Class I model only)

Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).

Measuring Method:

Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.

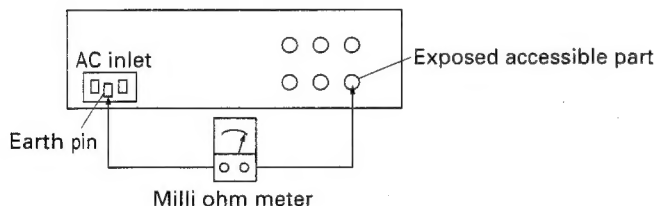


Fig. 10

Grounding Specifications

Region	Grounding Impedance (Z)
USA & Canada	$Z \leq 0.1 \text{ ohm}$
Europe & Australia	$Z \leq 0.5 \text{ ohm}$

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
100 V	Japan	$R \geq 1 \text{ M}\Omega/500 \text{ V DC}$	AC 1 kV 1 minute	$d, d' \geq 3 \text{ mm}$
100 to 240 V			AC 1.5 kV 1 minute	$d, d' \geq 4 \text{ mm}$
110 to 130 V	USA & Canada	—	AC 900 V 1 minute	$d, d' \geq 3.2 \text{ mm}$
110 to 130 V	Europe & Australia	$R \geq 10 \text{ M}\Omega/500 \text{ V DC}$	AC 3 kV 1 minute (Class II)	$d \geq 4 \text{ mm}$
200 to 240 V			AC 1.5 kV 1 minute (Class I)	$d' \geq 8 \text{ mm (Power cord)}$ $d' \geq 6 \text{ mm (Primary wire)}$

Table 1 Specifications for each region

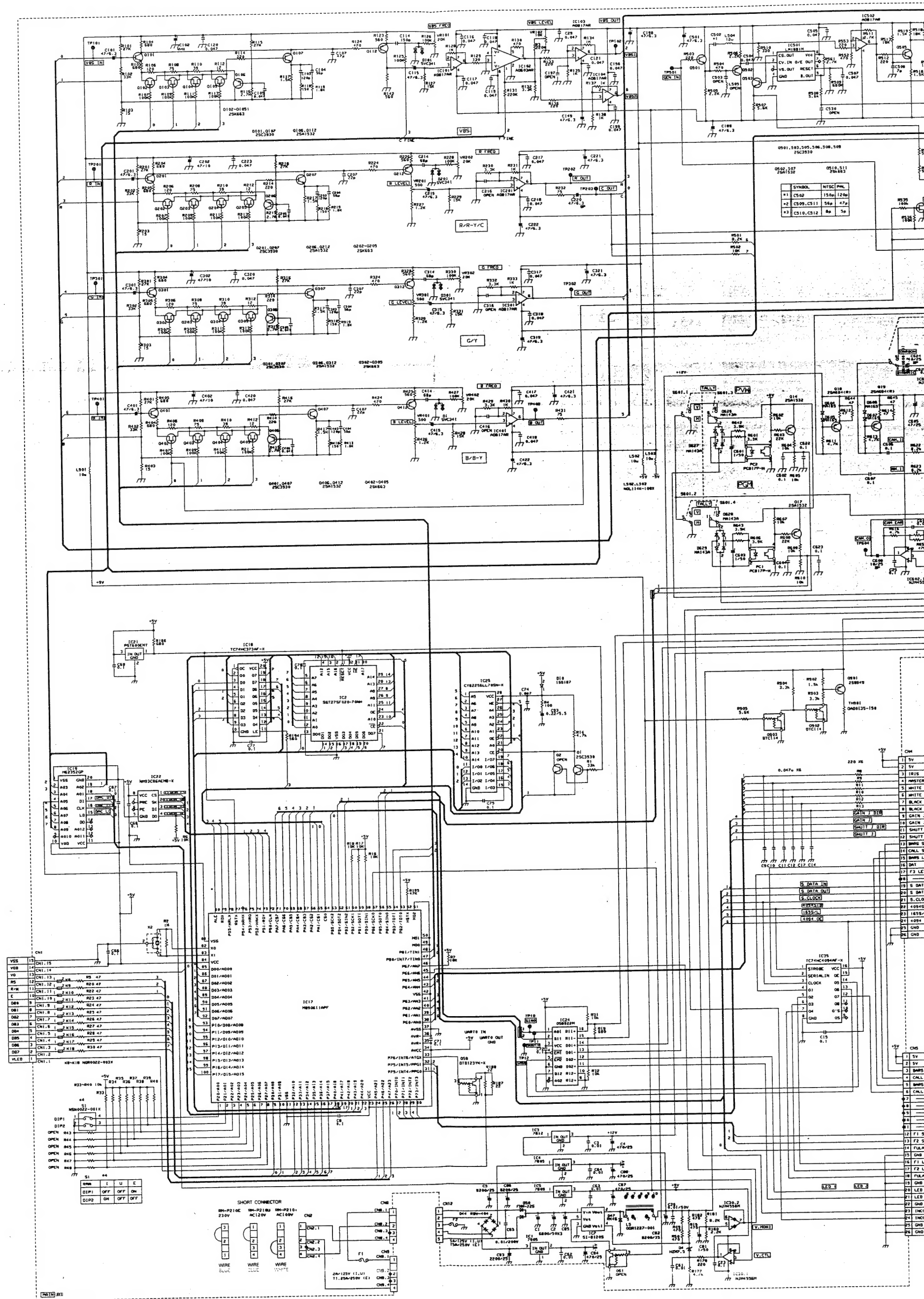
AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c
100 V	Japan	$1 \text{ k}\Omega$	$i \leq 1 \text{ mA rms}$	Exposed accessible parts
110 to 130 V	USA & Canada	$0.15 \mu\text{F}$ and $1.5 \text{ k}\Omega$	$i \leq 0.5 \text{ mA rms}$	Exposed accessible parts
110 to 130 V	Europe & Australia	$2 \text{ k}\Omega$	$i \leq 0.7 \text{ mA peak}$ $i \leq 2 \text{ mA dc}$	Antenna earth terminals
220 to 240 V		$50 \text{ k}\Omega$	$i \leq 0.7 \text{ mA peak}$ $i \leq 2 \text{ mA dc}$	Other terminals

Table 2 Leakage current specifications for each region

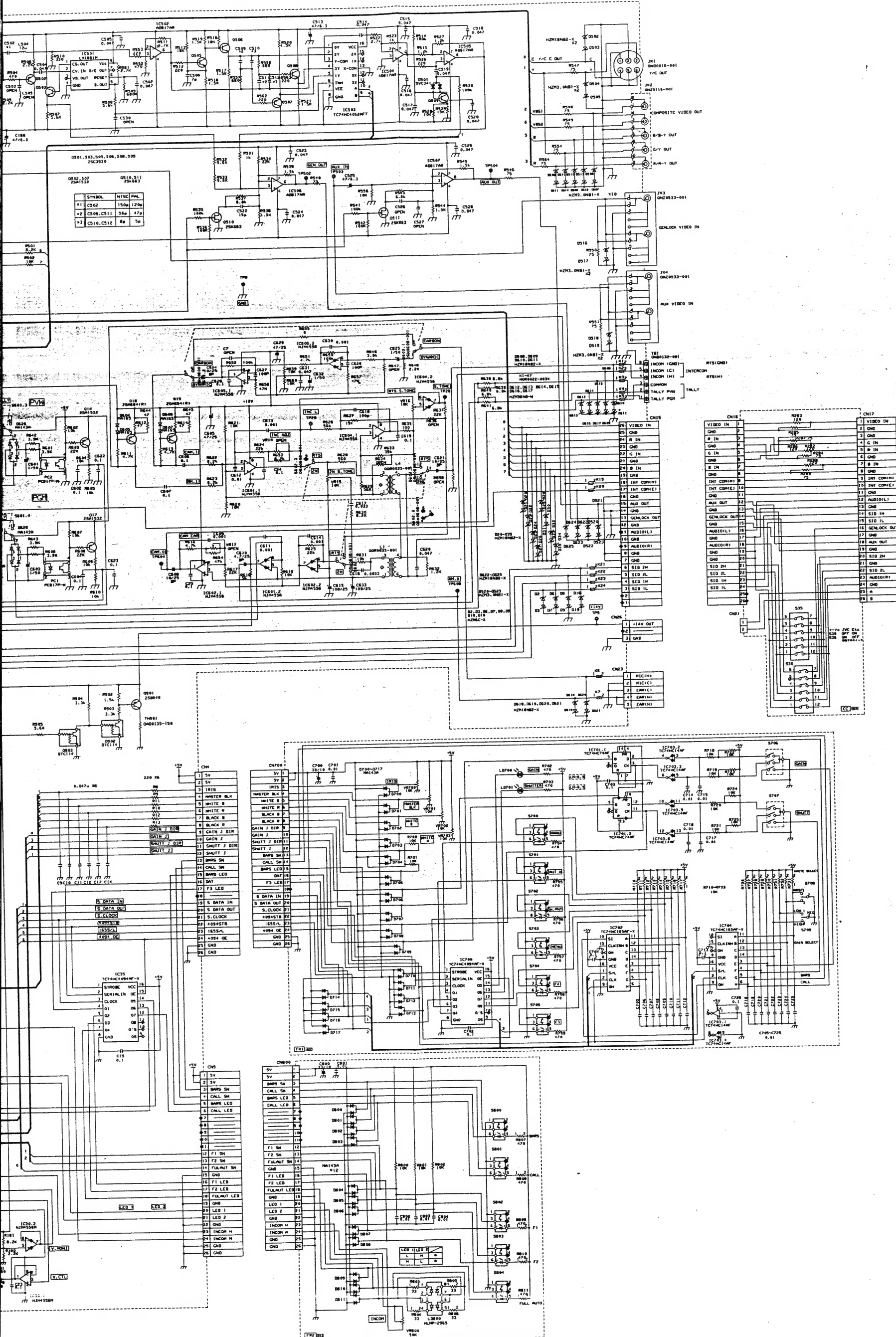
Note: These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

SECTION 3
DIAGRAMS AND CIRCUIT BOARD

3.1 MAIN/FR1/FR2/CC SCHEMATIC DIAGRAM 01/02/03/04

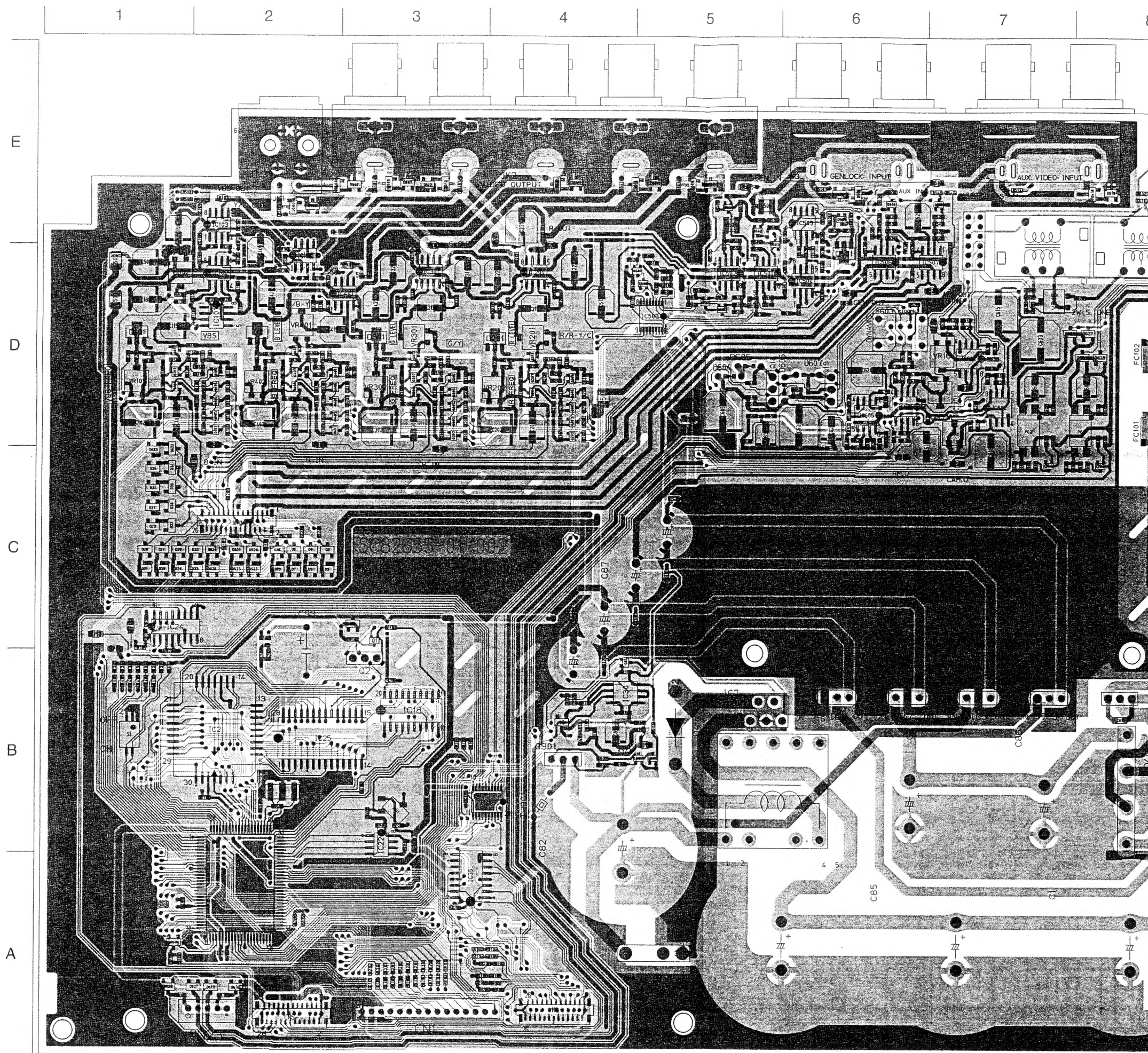


SECTION 3 SCHEMATIC AND CIRCUIT BOARDS



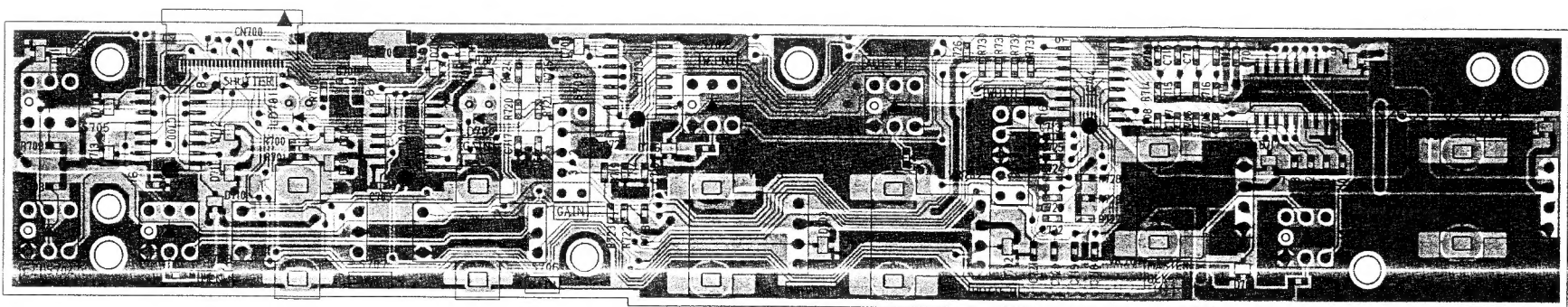
3.2 MAIN CIRCUIT BOARD 01

— SIDE A —



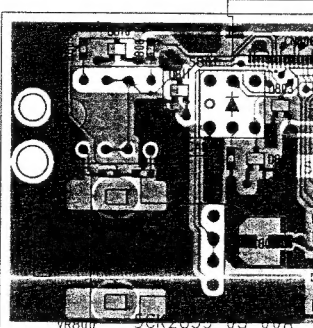
3.3 FR1 CIRCUIT BOARD 02

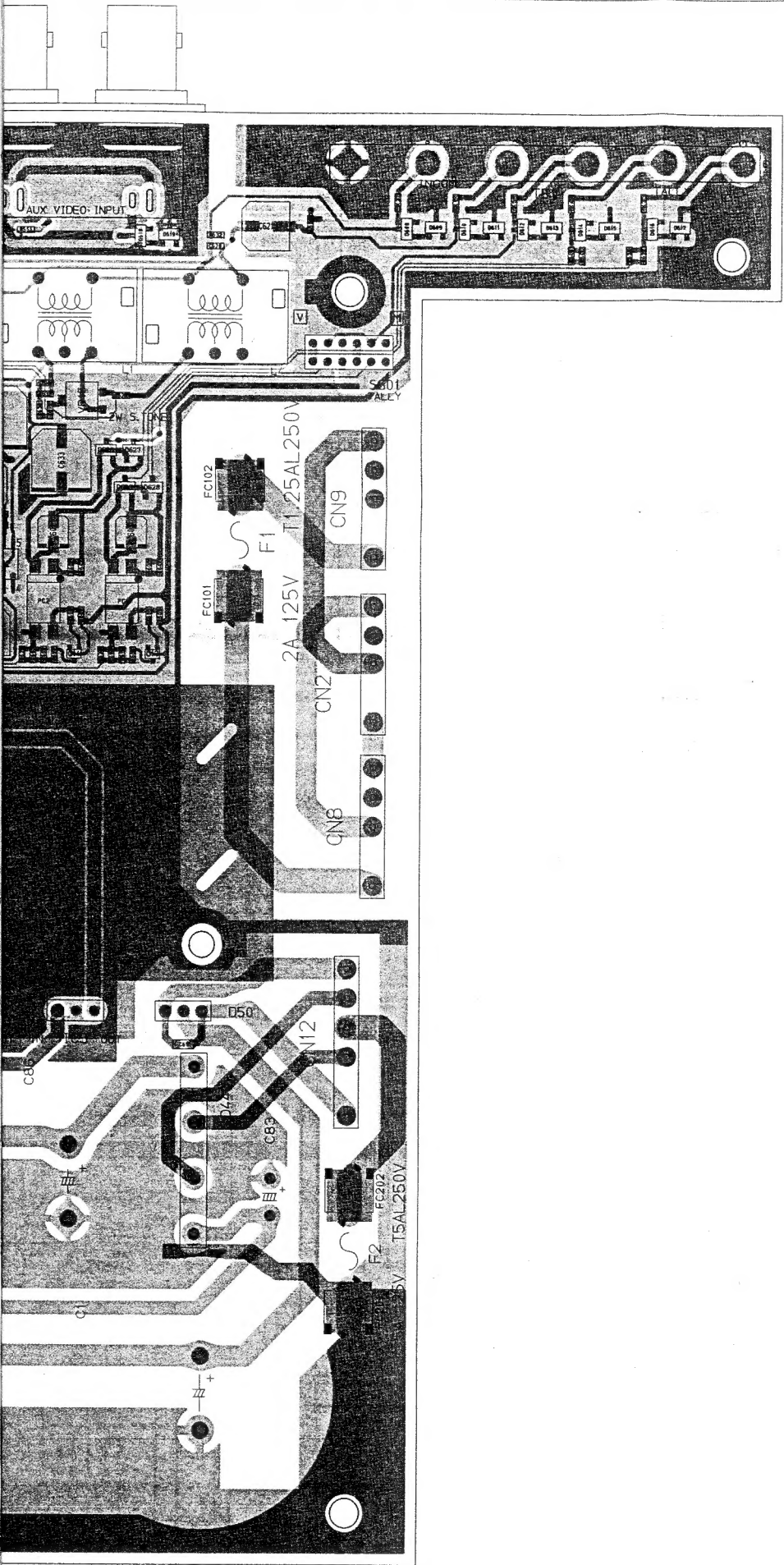
— SIDE A —



3.4 FR2 CIRCUIT BOARD 03

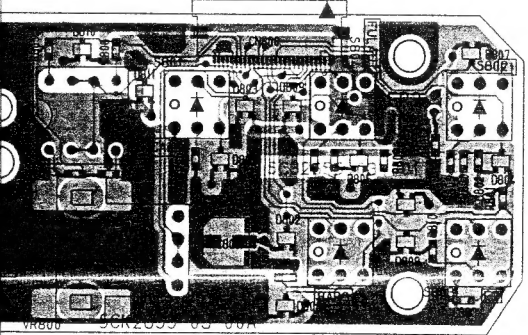
— SIDE A —





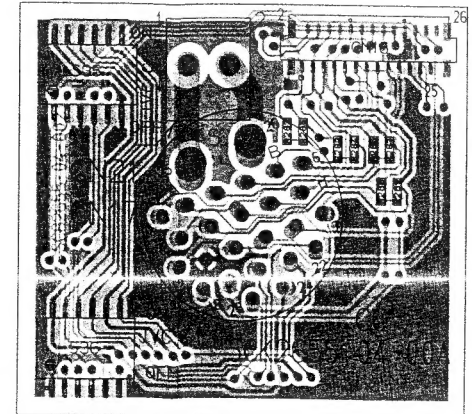
FR2 CIRCUIT BOARD 03

— SIDE A —



3.5 CC CIRCUIT BOARD 04

— SIDE A —

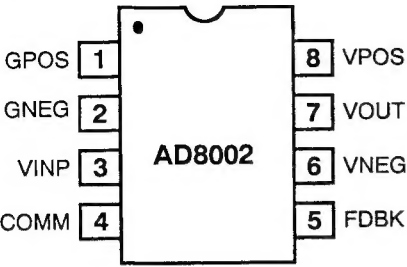


● ADDRESS TABLE OF BOARD PARTS
Each address may have an address error by one interval.

		A-1C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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3.6 IC BLOCK DIAGRAMS

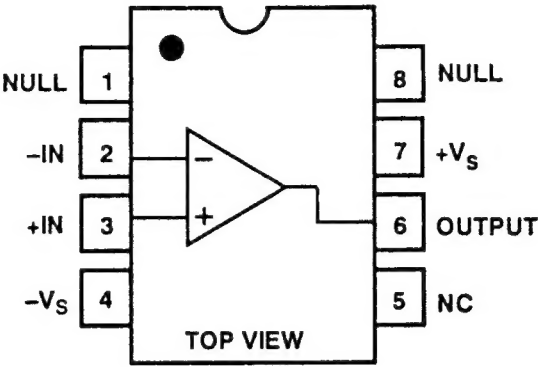
■ AD603AR-X [ANALOG DEVICES]
(Variable Gain CTL Amplifier)



■ Pin function

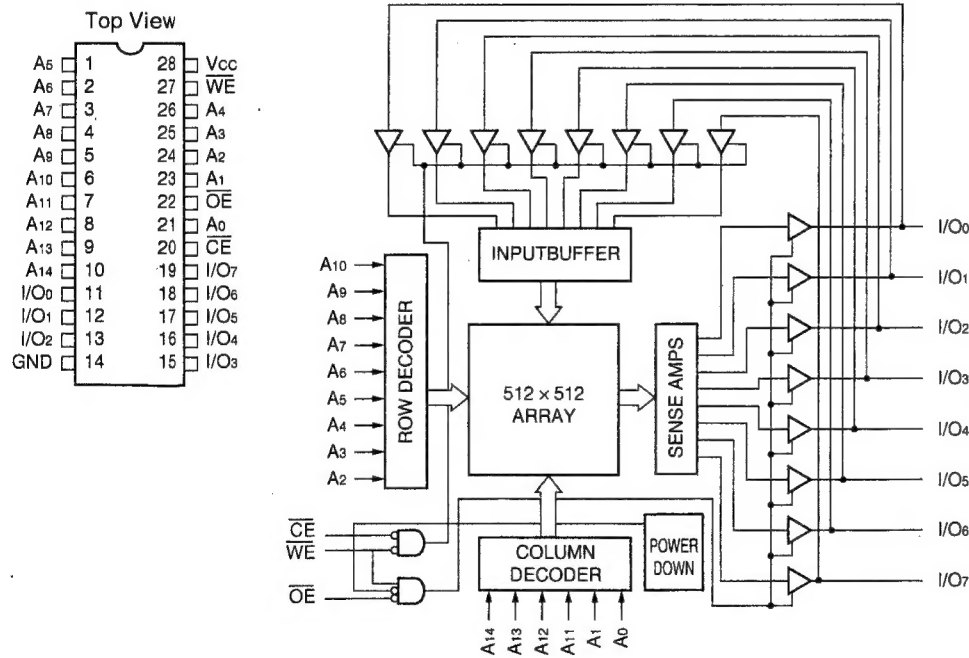
Pin No.	Pin Name
1	GPOS Gain CTL Input " HI "
2	GNEG Gain CTL Input " LOW "
3	VINP Amp. Input
4	COMM GND
5	FDBK Feedback
6	VNEG Vss
7	VOUT Output
8	VPOS V _{cc}

■ AD817AR-X [ANALOG DEVICES]
(Hi-Speed Low Power Op.Amp)



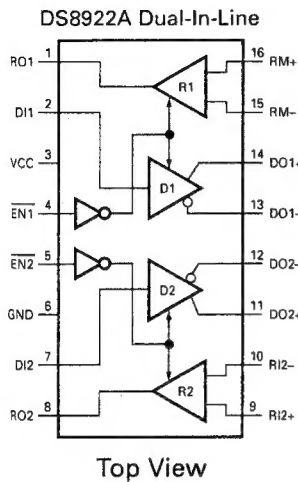
NC = NOT CONNECTED

■ CY62256LL70SN-X [CYPRESS]
(32k x 8 Static RAM)



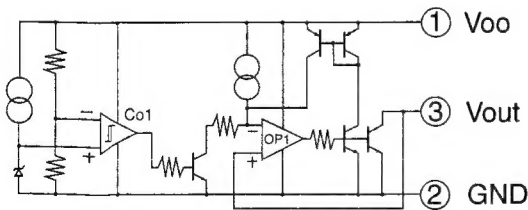
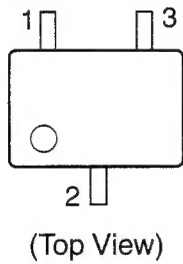
■ DS8922M-X [NATIONAL SEMICONDUCTOR]
(RS-422 Dual Differential Line Driver and Receiver Pairs)

Connection Diagrams

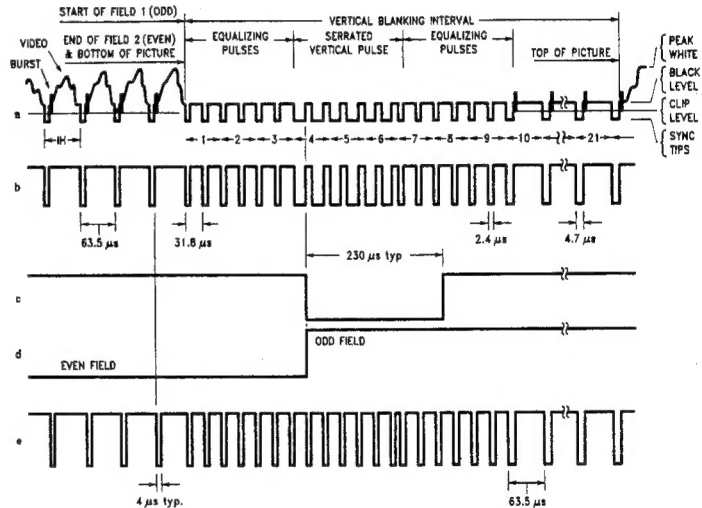
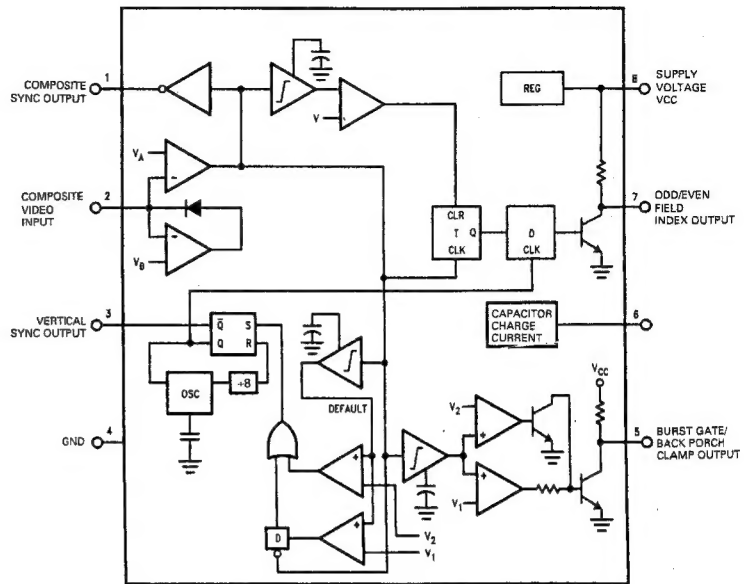


EN1	EN2	RO1	RO2	DO1	DO2
0	0	ACTIVE	ACTIVE	ACTIVE	ACTIVE
1	0	HI-Z	ACTIVE	HI-Z	ACTIVE
0	1	ACTIVE	HI-Z	ACTIVE	HI-Z
1	1	HI-Z	HI-Z	HI-Z	HI-Z

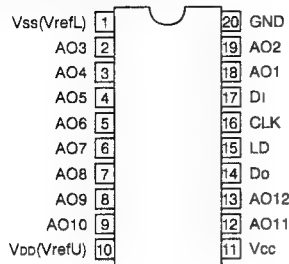
■ IC-PST600M/E/-W [MITSUMI]
(SystemReset IC)



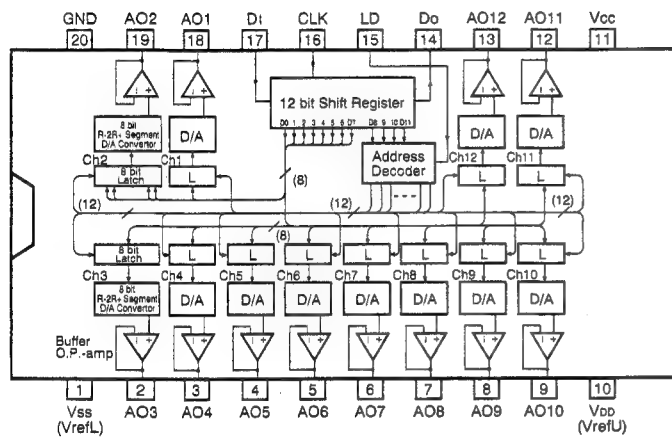
■ LM1881M-X [National Semiconductor]
(Video Sync Separator)



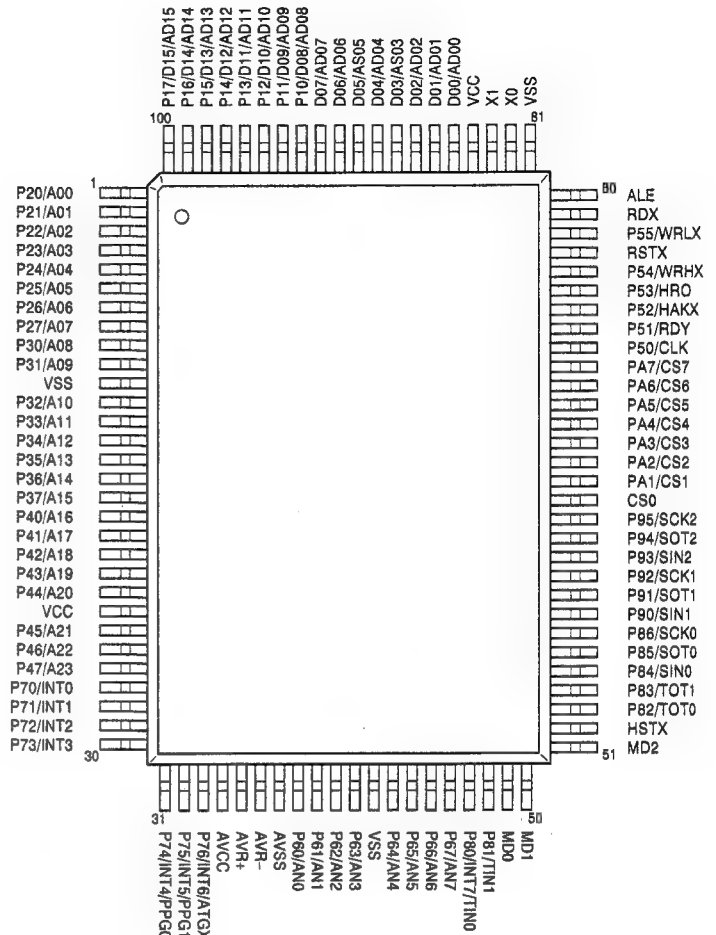
■ M62352GP-W [MITSUBISHI]
(8 bit 12Channel D/A Converter with Buffer Op.Amp.)



Top View

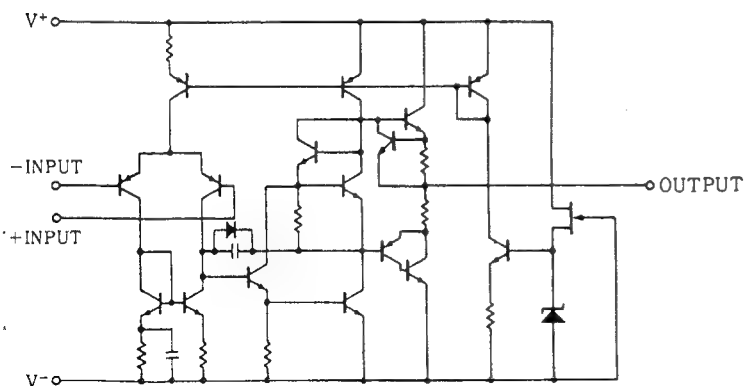
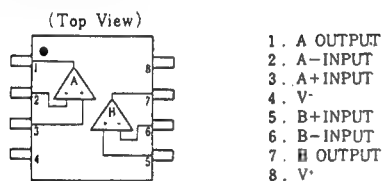


■ MB90611APF [FUJITSU]
(CPU)

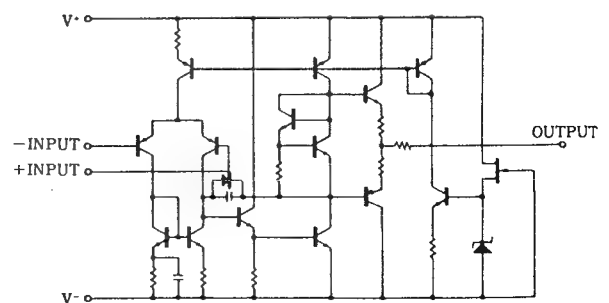
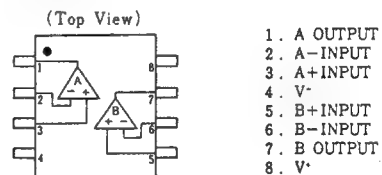


(Top View)

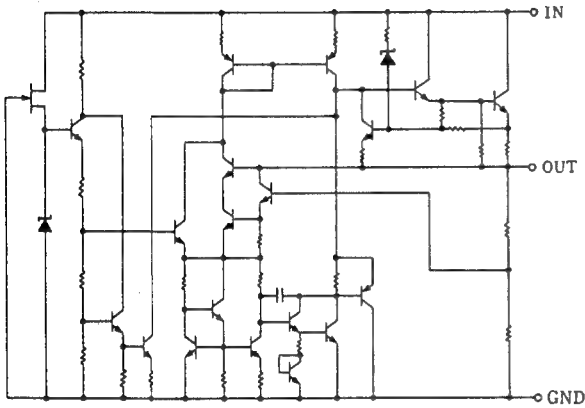
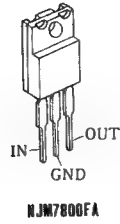
■ NJM4556AM-X [JRC]
(Dual High Current Op.Amp)



■ NJM4558M-X [JRC]
(Dual Op.Amp)

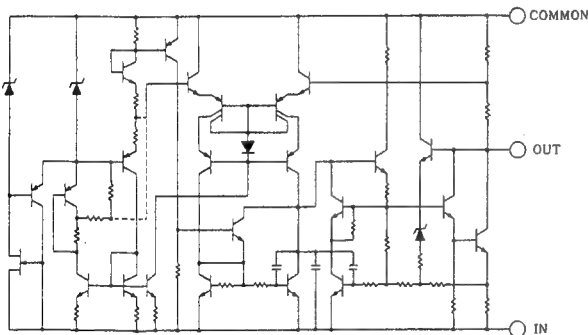
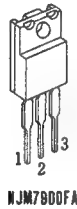


■ NJM7812FA [JRC]
(3-Terminal Positive Voltage Regulator (+12V))



■ NJM7905FA [JRC]
(3-Terminal Negative Voltage Regulator (-5V))

1. COMMON
2. IN
3. OUT

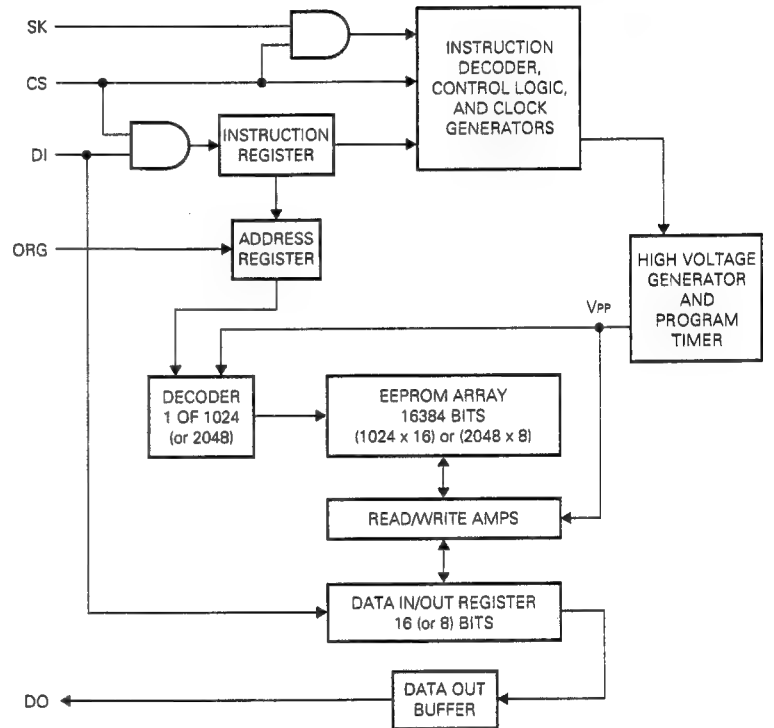


■ NM93C86A [NATIONAL SEMICONDUCTOR]
(16,384-Bit Serial Interface, Standard Voltage CMOS EEPROM)

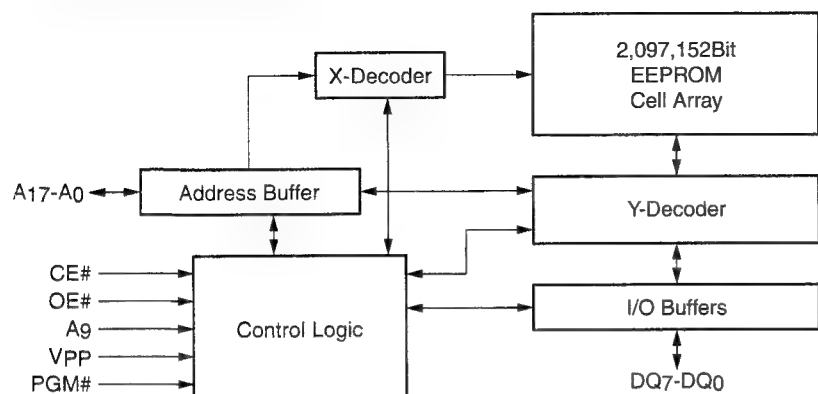


Pin Name	
Pin	Description
CS	Chip Select
SK	Serial Data Clock
DI	Serial Data Input
DO	Serial Data Output
VSS	Ground
ORG	Memory Organization Select (On the NM93C86A)
NC	No Connect
VCC	Positive Power Supply

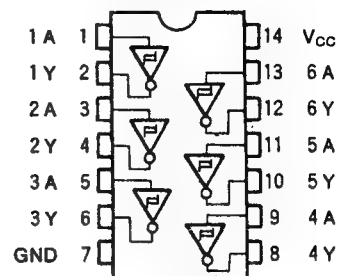
Block Diagram



■ PLSC1359 [SST27SF020-70NH/Silicon Strage Technology]
(2M Bit Flash Memoly)



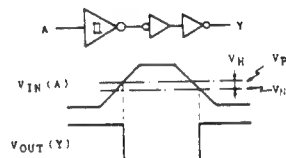
■ TC74HC14AF-X [TOSHIBA]
(Hex Schmitt-Trigger Inverters)



TRUE Table

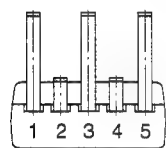
A	Y
L	H
H	L

(TOP VIEW)

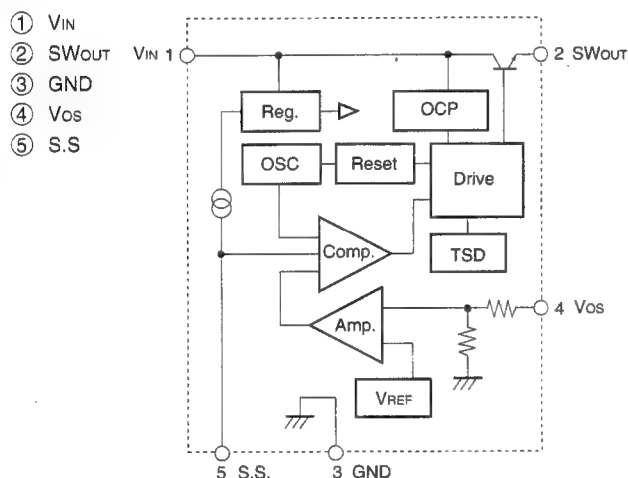


V_{CC}=4.5 V V_P=2.7 V typ.
V_N=1.6 V typ.

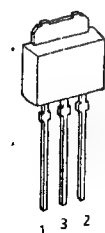
■ SI-8120S [SANKEN]
(Separate Excitation Switching Regulator IC)



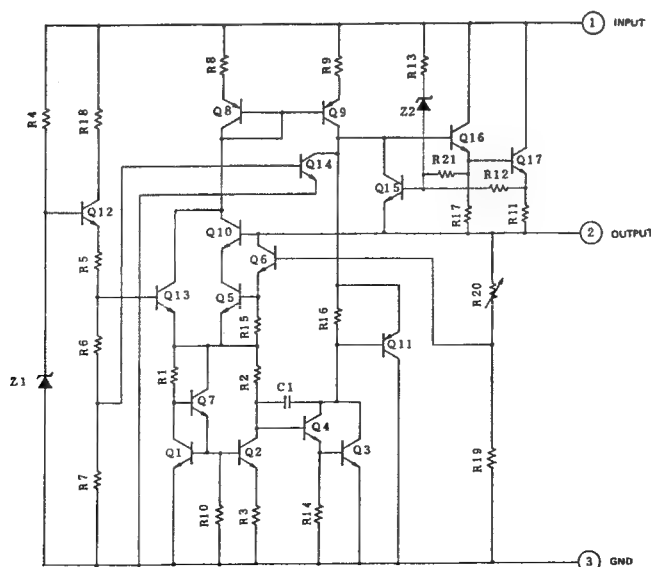
(Bottom View)



■ TA7805S [TOSHIBA]
(3-Terminal Positive Voltage Regulator (+5V))

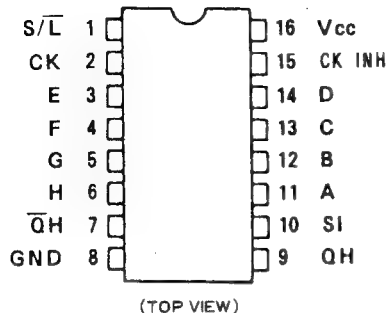


1. INPUT
2. OUTPUT
3. GND



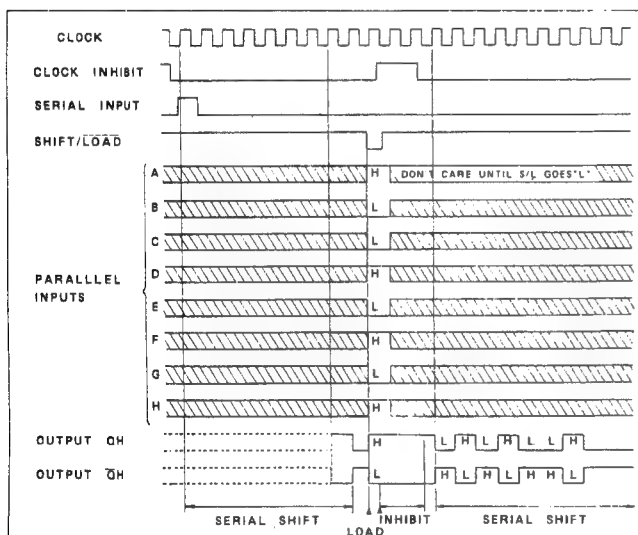
■ TA7809S [TOSHIBA]
(Refer to TA7805S.)

■ TC74HC165AF-X [TOSHIBA]
(8-Bit Serial or Parallel-In/Serial Out Shift Registers With Complementary Out)

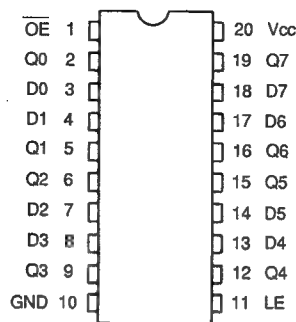


(TOP VIEW)

Timing chart



■ TC74HC373AF-X [TOSHIBA]
(Octal D-Type Latch With NON-Inverted 3-State Output)

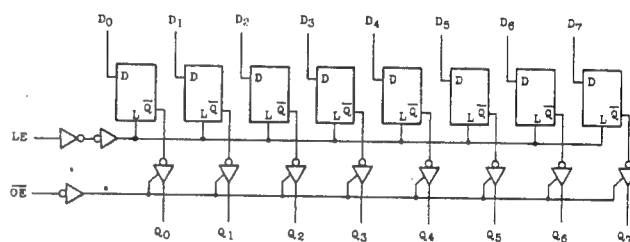


(Top View)

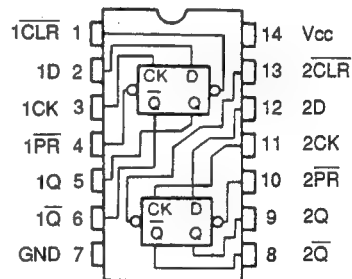
TRUE Table

INPUTS			OUTPUTS
OE	LE	D	
H	X	X	Z
L	L	X	Q _n
L	H	L	L
L	H	H	H

X : Don't Care
Z : Hi impedance
Q_n : Q output level before the LE become "L".



■ TC74HC74AF-X [TOSHIBA]
(Dual D-Type Positive-EDGE-Triggered Flip-Flops With Preset AND Clear)



(Top View)

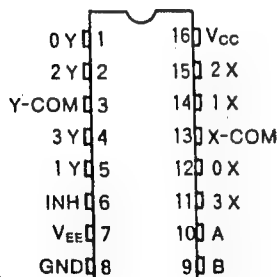
TRUE Table

INPUTS				OUTPUTS		FUNCTION
CLR	PR	D	CK	Q	Q	
L	H	X	X	L	H	CLEAR
H	L	X	X	H	L	PRESET
L	L	X	X	H	H	—
H	H	L	↓	L	H	—
H	H	H	↓	H	L	—
H	H	X	↓	Q _n	Q _n	NO CHANGE

X : Don't care

■ TC74HC4052AF-X [TOSHIBA]
(Dual 4-Channel Analog Multiplexer)

TC74HC4052A

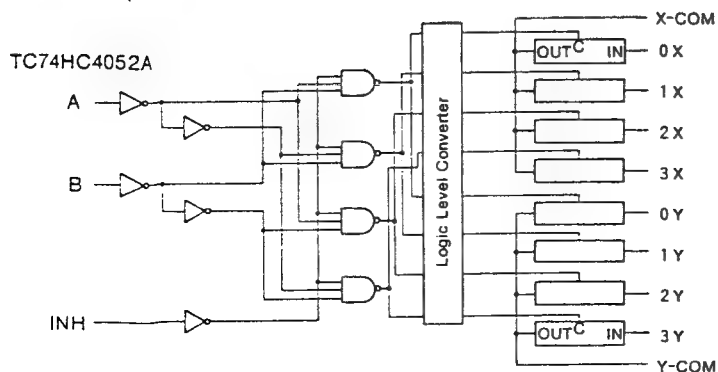


(TOP VIEW)

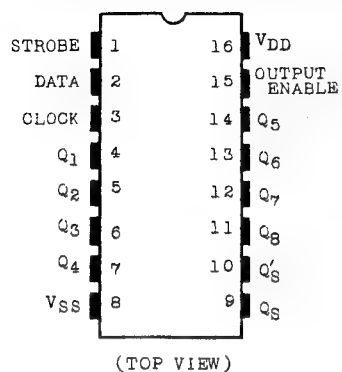
TRUE Table

CONTROL INPUTS			"ON" CHANNEL
INHIBIT	B	A	
L	L	L	0X, 0Y
L	L	H	1X, 1Y
L	H	L	2X, 2Y
L	H	H	3X, 3Y
H	X	X	NONE

X : DON'T CARE



■ TC74HC4094AF-X [TOSHIBA]
(8 Stage Bus Compatible Shift/Store Register)

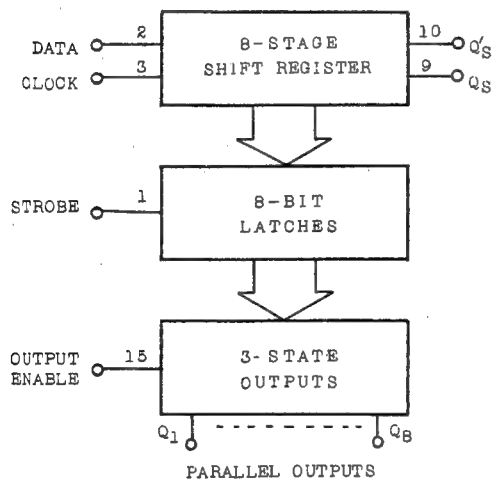


TRUTH TABLE

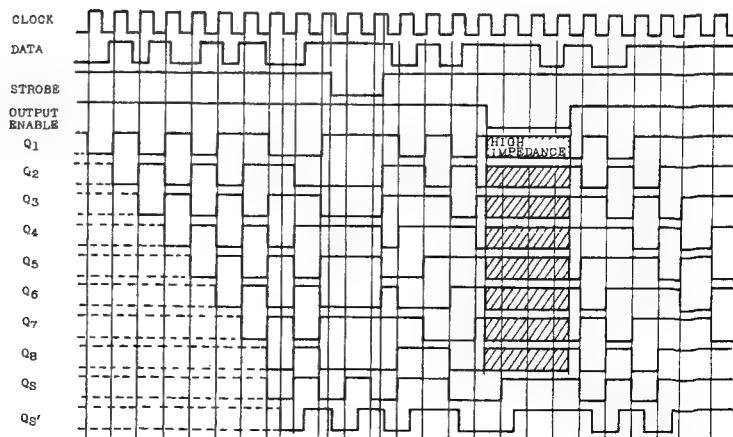
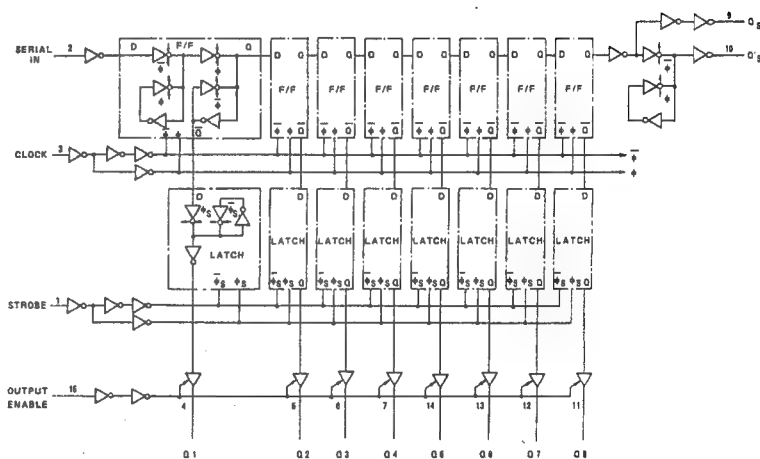
CL	OE	ST	D	PO		SO	
				Q ₁	Q _n	Q _S	Q' _S
	H	H	L	L	Q _{n-1}	Q ₇	NC
	H	H	H	H	Q _{n-1}	Q ₇	NC
	H	L	*	NC	NC	Q ₇	NC
	L	*	*	HZ	HZ	Q ₇	NC
	H	*	*	NC	NC	NC	Q _S
	L	*	*	HZ	HZ	NC	Q _S

CL=Clock * = Don't care
 OE=Output Enable NC=No Change
 ST=Strobe HZ=High Impedance
 D =Data
 PO=Parallel Outputs
 SO=Serial Output

BLOCK DIAGRAM

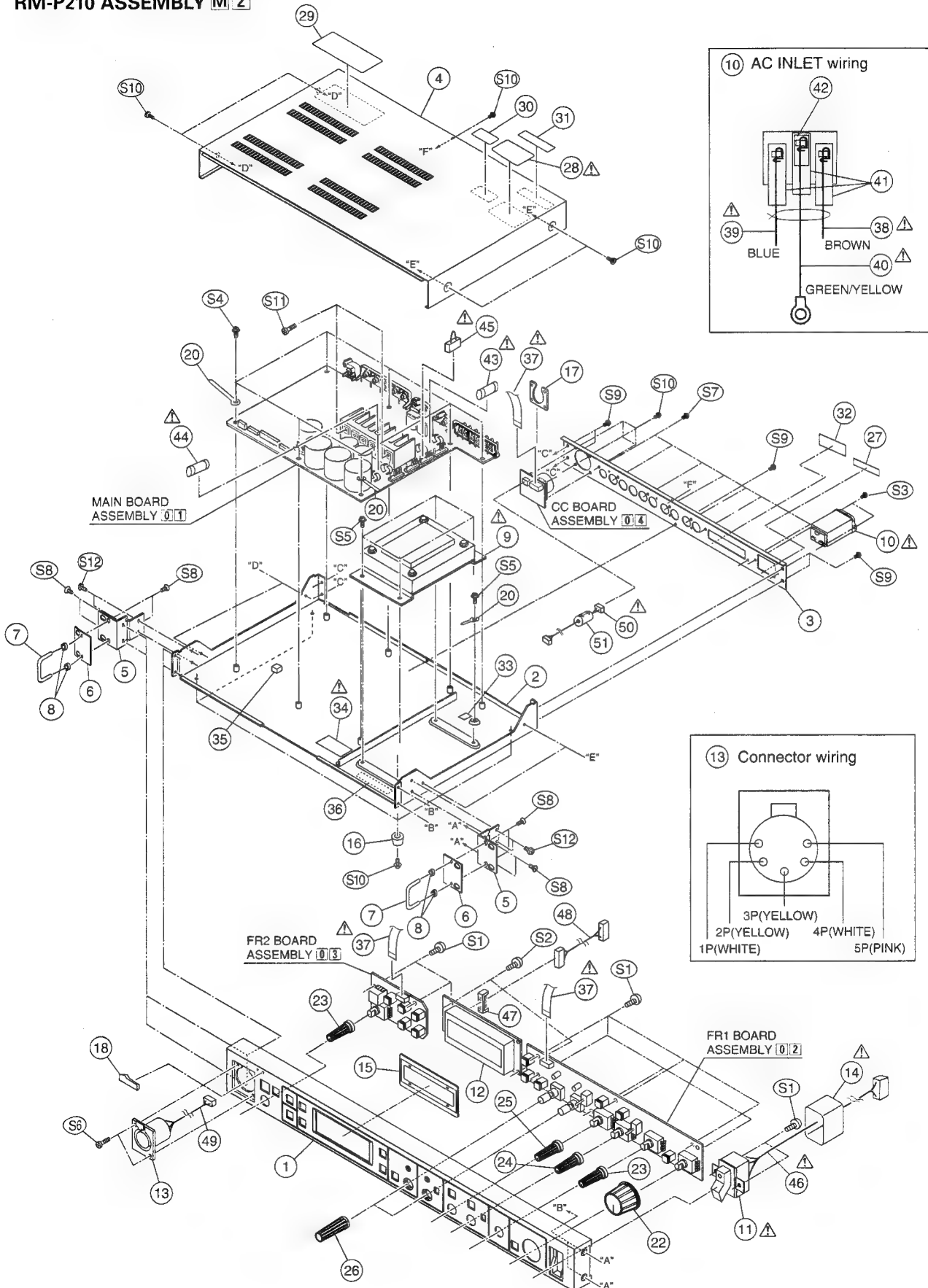


SERIAL OUTPUT



SECTION 4 EXPLODED VIEWS AND PARTS LIST

4.1 RM-P210 ASSEMBLY M 2



● RM-P210 ASSEMBLY PARTS LIST **M 2**

M 2 M M □ □ □ □

Symbol No.	Part No.	Part Name	Description
1	SC10252-001	FRONT PANEL	
2	SC10253-001	BOTTOM CHASSIS	
3	SC20741-001	REAR PANEL	
4	SC20742-001	TOP COVER	
5	SC30558-001	L.BRACKET	
6	SC41550-003	FRONT PLATE	
7	SC43639-001	HANDLE	
8	SC40617-001	WASHER	
△ 9	QQT0346-001	POWER TRANSF.	U MODEL
△ 9	QQT0347-001	POWER TRANSF.	E MODEL
△ 10	QNC0088-001	AC INLET(NOISE)	
△ 11	QSW0015-004	SEESAW SWITCH	POWER
12	QLD0191-001	LCD MODULE	
13	QNZ0252-001	CONNECTOR	
△ 14	SCV1327-001	SWITCH COVER	
15	SC46802-001	WINDOW	
16	QZF2008-002	FOOT	
17	-	NUT PLATE	See CC BOARD 04 (SYMBOL NP1)
18	PGD30011-3	JVC MARK	
20	SCV0518-008	WIRE CLAMP	
22	SC46207-011	KNOB	IRIS (VR700)
23	SC45572-011	KNOB	MASTER BLACK (VR701), INCOM (VR800)
24	SC45572-031	KNOB	WHITE B (VR702)
25	SC45572-021	KNOB	WHITE R (VR703)
26	SC44668-001	KNOB	GAIN (S706), SHUTTER (S707)
27	LW40137-002A	LABEL(AC INLET)	U MODEL
27	LW40137-003A	LABEL(AC INLET)	E MODEL
△ 28	-	RATING LABEL	
△ 29	SC41058-002	CAUTION LABEL	
△ 30	SS412425-001	UL LABEL	U MODEL
△ 30	SS412174-002	CE/TUV LABEL	E MODEL
△ 31	SC40865-001	WARNING LABEL	E MODEL
32	LW40137-004A	LABEL	U MODEL
33	SC45464-001	LABEL	
△ 34	SC41252-001	CAUTION LABEL	U MODEL
35	SC46836-001	PAD	
36	-	SERIAL No. LABEL	
△ 37	SCV2803-2614B	FFC WIRE	
△ 38	WJV0051-001A	WIRE ASS'Y	BROWN
△ 39	WJV0051-002A	WIRE ASS'Y	BLUE
△ 40	WJV0049-001A	WIRE ASS'Y	GREEN/YELLOW
41	QXT6B0H-025	TUBE	
42	QXTE600-025	TUBE	
△ 43	QMF51U1-2R0-S	FUSE	2A/125V,U MODEL
△ 43	QMF51A2-1R25-S	FUSE	1.25A/250V,E MODEL
△ 44	QMF51U1-5R0-S	FUSE	5A/125V,U MODEL
△ 44	QMF51A2-5R0-S	FUSE	5A/250V,E MODEL
△ 45	WJM0243-001A	WIRE ASS'Y	
△ 46	WJM0242-001A	WIRE ASS'Y	
47	QGA2001C1-15	CONNECTOR	
48	QJJ010-151000	WIRE ASS'Y	
49	WJR0020-001A	WIRE ASS'Y	
△ 50	WJJ0267-001A	WIRE ASS'Y	
51	QQR0594-001	FILTER	E MODEL
S1	QYSPSPL3006Z	SCREW	M3x6
S2	QYSPSPL2606Z	SCREW	M2.6x6
S3	QYSSST3008M	SCREW	M3x8
S4	SS49420-B3006	N SCREW	
S5	QYSPSPD4006Z	SCREW	M4x6
S6	QYSPSP2606N	SCREW	M2.6x6
S7	QYSBSF3008M	SCREW	M3x8
S8	QYSSSP3008N	SCREW	M3x8
S9	QYSBST3006M	SCREW	M3x6
S10	QYSDSP3006M	SCREW	M3x6
S11	-	SCREW	See MAIN BOARD 01 (SYMBOL SC1)
S12	QYSDSP3006N	SCREW	M3x6

SECTION 5

ELECTRICAL PARTS LIST

SAFETY PRECAUTION:

Parts identified by the \triangle symbol are critical for safety. Replace only with specified parts numbers.
For maximum reliability and performance, all other replacement parts should be identical to those specified.

NOTE:

- Parts not denoted by parts numbers are not supplied by JVC.
- Abbreviations in this list are as follows:

RESISTORS

In the "Description" column:

All resistance values are in ohms (Ω).
k expresses kilo-ohm (1 000 ohms, $k\Omega$).
M expresses mega-ohm (10^6 ohms, $M\Omega$).

In the "Parts Name" column:

CAR.RESISTOR : Carbon Resistor
C.M.F.RESISTOR : Constant Metalized Film Resistor
COMP.RESISTOR: Composition Resistor
FUSI.RESISTOR : Fusible Resistor
M.F.RESISTOR : Metal Film Resistor
M.G.RESISTOR : Metal Graze Resistor
M.P.RESISTOR : Metal Plate Resistor
O.M.F.RESISTOR: Oxide Metalized Film Resistor
TRIM.RESISTOR : Trimerer Resistor
U.F.RESISTOR : Non-inflammable Resistor
VAL.RESISTOR : Valiable Resistor
W.W.RESISTOR : Wire Wound Resistor

CAPACITORS

In the "Description" column:

All capacitance values are in microfarad (μF) unless otherwise indicated.
p expresses picofarad (10^{-12} farad, pF).

In the "Parts Name" column:

CER.CAPACITOR : Ceramic Capacitor
E.CAPACITOR : Electrolytic Capacitor
FILM CAPACITOR : Film Capacitor
M.F.CAPACITOR : Metalized Film Capacitor
MICA CAPACITOR : Mica Capacitor
MPP CAPACITOR : Metalized PolyPropylene Capacitor
MPPS CAPACITOR : Metalized PolyPhenylene Sulfied film Capacitor
M.M.CAPACITOR : Metalized Mylar Capacitor
MYLAR CAPACITOR : Mylar Capacitor
N.P.CAPACITOR : Non-Poler electrolytic Capacitor
P.P.CAPACITOR : PolyPropylene Capacitor
PPS CAPACITOR : PolyPhenylene Sulfied film Capacitor
P.S.CAPACITOR : PolyStyrene Capacitor
TAN.CAPACITOR : Tantal Capacitor
TRIM.CAPACITOR : Trimer Capacitor
VAL.CAPACITOR : Valiable Capacitor

Note: In the "Description" column of the parts list, (U) means the parts for the U version while (E) is for the E version.

Symbol No.	Part No.	Part Name	Description
IC1	SCV1585-064	I.C.(M)	JVC (U) ← for U version
	SCV1585-067	I.C.(M)	JVC (E) ← for E version

5.1 MAIN BOARD ASSEMBLY PARTS LIST 01

SCK2655-01-N0A(U MODEL)

SCK2655-01-P0A(E MODEL)

01

Symbol No.	Part No.	Part Name	Description
IC1	NJM7905FA	I.C.(M)	JRC
IC2	PLSC1359	I.C.(M)	SST27SF020-70NH
SK2	NNV0014-032X	IC SOCKET	FOR IC2
IC3	NJM7812FA	I.C.(M)	JRC
IC4	TA7805S	I.C.(M)	TOSHIBA
IC5	TA7809S	I.C.(M)	TOSHIBA
IC7	SI-8120S	I.C.(M)	SANKEN
IC17	MB90611APF	I.C.(M)	FUJITSU
IC18	TC74HC373AF-X	I.C.(M)	TOSHIBA
IC19	M62352GP-VV	I.C.(M)	MITSUBISHI
IC21	IC-PST600M/E-W	I.C.(M)	MITSUMI
IC22	FM93C86AEM8-X	I.C.(M)	
IC24	DS8922M-X	I.C.(M)	NATIONAL SEMICO
IC25	CY62256LL70SN-X	I.C.(M)	CYPRESS
IC30	NJM4556AM-X	I.C.(M)	JRC
IC35	TC74HC4094AF-X	I.C.(M)	TOSHIBA
IC101	AD817AR-X	I.C.(M)	ANALOG DEVICES
IC102	AD603AR-X	I.C.(M)	ANALOG DEVICES
IC103	AD817AR-X	I.C.(M)	ANALOG DEVICES
IC104	AD817AR-X	I.C.(M)	ANALOG DEVICES
IC101	AD817AR-X	I.C.(M)	ANALOG DEVICES
IC301	AD817AR-X	I.C.(M)	ANALOG DEVICES
IC401	AD817AR-X	I.C.(M)	ANALOG DEVICES
IC501	LM1881M-X	I.C.(M)	NATIONAL SEMICO
IC502	AD817AR-X	I.C.(M)	ANALOG DEVICES
IC503	TC74HC4052AFT-X	I.C.(M)	TOSHIBA
IC504	AD817AR-X	I.C.(M)	ANALOG DEVICES
IC505	AD817AR-X	I.C.(M)	ANALOG DEVICES
IC506	AD817AR-X	I.C.(M)	ANALOG DEVICES
IC507	AD817AR-X	I.C.(M)	ANALOG DEVICES
IC601	NJM4556AM-X	I.C.(M)	JRC
IC602	NJM4556AM-X	I.C.(M)	JRC
IC604	NJM4556AM-X	I.C.(M)	JRC
IC605	NJM4558M-X	I.C.(M)	JRC
Q1	2SC3930/BC-X	TRANSISTOR	MATSUSHITA
Q14	2SA1532/BC-X	TRANSISTOR	MATSUSHITA
Q17	2SA1532/BC-X	TRANSISTOR	MATSUSHITA
Q18	2SA684/R/	TRANSISTOR	MATSUSHITA
Q19	2SA684/R/	TRANSISTOR	MATSUSHITA
Q59	DTD123YK-X	TRANSISTOR	ROHM
Q61	DTC124EUA-X	TRANSISTOR	ROHM
Q101	2SC3930/BC-X	TRANSISTOR	MATSUSHITA
Q102	2SK663/QR-X	FET	MATSUSHITA
Q103	2SK663/QR-X	FET	MATSUSHITA
Q104	2SK663/QR-X	FET	MATSUSHITA
Q105	2SK663/QR-X	FET	MATSUSHITA
Q106	2SA1532/BC-X	TRANSISTOR	MATSUSHITA
Q107	2SC3930/BC-X	TRANSISTOR	MATSUSHITA
Q112	2SA1532/BC-X	TRANSISTOR	MATSUSHITA
Q201	2SC3930/BC-X	TRANSISTOR	MATSUSHITA
Q202	2SK663/QR-X	FET	MATSUSHITA
Q203	2SK663/QR-X	FET	MATSUSHITA
Q204	2SK663/QR-X	FET	MATSUSHITA
Q205	2SK663/QR-X	FET	MATSUSHITA
Q206	2SA1532/BC-X	TRANSISTOR	MATSUSHITA
Q207	2SC3930/BC-X	TRANSISTOR	MATSUSHITA
Q212	2SA1532/BC-X	TRANSISTOR	MATSUSHITA
Q301	2SC3930/BC-X	TRANSISTOR	MATSUSHITA
Q302	2SK663/QR-X	FET	MATSUSHITA
Q303	2SK663/QR-X	FET	MATSUSHITA
Q304	2SK663/QR-X	FET	MATSUSHITA
Q305	2SK663/QR-X	FET	MATSUSHITA
Q306	2SA1532/BC-X	TRANSISTOR	MATSUSHITA
Q307	2SC3930/BC-X	TRANSISTOR	MATSUSHITA
Q312	2SA1532/BC-X	TRANSISTOR	MATSUSHITA
Q401	2SC3930/BC-X	TRANSISTOR	MATSUSHITA
Q402	2SK663/QR-X	FET	MATSUSHITA
Q403	2SK663/QR-X	FET	MATSUSHITA

Symbol No.	Part No.	Part Name	Description
Q404	2SK663/QR-X	FET	MATSUSHITA
Q405	2SK663/QR-X	FET	MATSUSHITA
Q406	2SA1532/BC-X	TRANSISTOR	MATSUSHITA
Q407	2SC3930/BC-X	TRANSISTOR	MATSUSHITA
Q412	2SA1532/BC-X	TRANSISTOR	MATSUSHITA
Q501	2SC3930/BC-X	TRANSISTOR	MATSUSHITA
Q502	2SA1532/BC-X	TRANSISTOR	MATSUSHITA
Q503	2SC3930/BC-X	TRANSISTOR	MATSUSHITA
Q505	2SC3930/BC-X	TRANSISTOR	MATSUSHITA
Q506	2SC3930/BC-X	TRANSISTOR	MATSUSHITA
Q507	2SA1532/BC-X	TRANSISTOR	MATSUSHITA
Q508	2SC3930/BC-X	TRANSISTOR	MATSUSHITA
Q509	2SC3930/BC-X	TRANSISTOR	MATSUSHITA
Q510	2SK663/QR-X	FET	MATSUSHITA
Q511	2SK663/QR-X	FET	MATSUSHITA
Q901	2SB949/QP/	TRANSISTOR	MATSUSHITA
Q902	DTC114EUA-X	TRANSISTOR	ROHM
Q903	DTC114EUA-X	TRANSISTOR	ROHM
D1	SVC341/L-X	VARI CAPA DIODE	SANYO
D2	HZM6C-X	ZENER DIODE	HITACHI
D3	HZM6C-X	ZENER DIODE	HITACHI
D4	HZM7.5NB2-X	ZENER DIODE	HITACHI
D6	HZM6C-X	ZENER DIODE	HITACHI
D7	HZM6C-X	ZENER DIODE	HITACHI
D8	HZM6C-X	ZENER DIODE	HITACHI
D9	HZM6C-X	ZENER DIODE	HITACHI
D10	1SS187-X	DIODE	TOSHIBA
D18	HZM6C-X	ZENER DIODE	HITACHI
D19	HZM6C-X	ZENER DIODE	HITACHI
D20	HZM18NB2-X	ZENER DIODE	HITACHI
D21	HZM18NB2-X	ZENER DIODE	HITACHI
D22	HZM18NB2-X	ZENER DIODE	HITACHI
D23	HZM18NB2-X	ZENER DIODE	HITACHI
D24	HZM18NB2-X	ZENER DIODE	HITACHI
D25	HZM18NB2-X	ZENER DIODE	HITACHI
D26	HZM18NB2-X	ZENER DIODE	HITACHI
D27	HZM18NB2-X	ZENER DIODE	HITACHI
D28	HZM18NB2-X	ZENER DIODE	HITACHI
D29	HZM18NB2-X	ZENER DIODE	HITACHI
D30	HZM18NB2-X	ZENER DIODE	HITACHI
D31	HZM18NB2-X	ZENER DIODE	HITACHI
D32	HZM18NB2-X	ZENER DIODE	HITACHI
D33	HZM18NB2-X	ZENER DIODE	HITACHI
D34	HZM18NB2-X	ZENER DIODE	HITACHI
D35	HZM18NB2-X	ZENER DIODE	HITACHI
D44	RBV-404	SI.DIODE	GI
D47	RK46	DIODE	SANKEN
D50	FMM-22S	DIODE	SANKEN
D101	SVC341/L-X	VARI CAPA DIODE	SANYO
D201	SVC341/L-X	VARI CAPA DIODE	SANYO
D301	SVC341/L-X	VARI CAPA DIODE	SANYO
D501	SVC341/L-X	VARI CAPA DIODE	SANYO
D502	HZM18NB2-X	ZENER DIODE	HITACHI
D503	HZM18NB2-X	ZENER DIODE	HITACHI
D504	HZM3.0NB1-X	ZENER DIODE	HITACHI
D505	HZM3.0NB1-X	ZENER DIODE	HITACHI
D506	HZM3.0NB1-X	ZENER DIODE	HITACHI
D507	HZM3.0NB1-X	ZENER DIODE	HITACHI
D508	HZM3.0NB1-X	ZENER DIODE	HITACHI
D509	HZM3.0NB1-X	ZENER DIODE	HITACHI
D510	HZM3.0NB1-X	ZENER DIODE	HITACHI
D511	HZM3.0NB1-X	ZENER DIODE	HITACHI
D512	HZM3.0NB1-X	ZENER DIODE	HITACHI
D513	HZM3.0NB1-X	ZENER DIODE	HITACHI
D514	HZM3.0NB1-X	ZENER DIODE	HITACHI
D515	HZM3.0NB1-X	ZENER DIODE	HITACHI
D516	HZM3.0NB1-X	ZENER DIODE	HITACHI
D517	HZM3.0NB1-X	ZENER DIODE	HITACHI
D518	HZM3.0NB1-X	ZENER DIODE	HITACHI
D519	HZM3.0NB1-X	ZENER DIODE	HITACHI
D520	HZM3.0NB1-X	ZENER DIODE	HITACHI

[MAIN]

Symbol No.	Part No.	Part Name	Description
D521	HZM3.0NB1-X	ZENER DIODE	HITACHI
D522	HZM3.0NB1-X	ZENER DIODE	HITACHI
D523	HZM3.0NB1-X	ZENER DIODE	HITACHI
D604	MA165	DIODE	MATSUSHITA
D605	MA165	DIODE	MATSUSHITA
D606	MA165	DIODE	MATSUSHITA
D607	MA165	DIODE	MATSUSHITA
D608	HZM18NB2-X	ZENER DIODE	HITACHI
D609	HZM18NB2-X	ZENER DIODE	HITACHI
D610	HZM18NB2-X	ZENER DIODE	HITACHI
D611	HZM18NB2-X	ZENER DIODE	HITACHI
D612	HZM36NB-W	ZENER DIODE	HITACHI
D613	HZM36NB-W	ZENER DIODE	HITACHI
D614	HZM36NB-W	ZENER DIODE	HITACHI
D615	HZM36NB-W	ZENER DIODE	HITACHI
D616	HZM36NB-W	ZENER DIODE	HITACHI
D617	HZM36NB-W	ZENER DIODE	HITACHI
D618	HZM18NB2-X	ZENER DIODE	HITACHI
D619	HZM18NB2-X	ZENER DIODE	HITACHI
D620	HZM18NB2-X	ZENER DIODE	HITACHI
D621	HZM18NB2-X	ZENER DIODE	HITACHI
D622	HZM18NB2-X	ZENER DIODE	HITACHI
D623	HZM18NB2-X	ZENER DIODE	HITACHI
D624	HZM18NB2-X	ZENER DIODE	HITACHI
D625	HZM18NB2-X	ZENER DIODE	HITACHI
D626	MA143A-X	DIODE	MATSUSHITA
D627	MA143A-X	DIODE	MATSUSHITA
D628	MA143A-X	DIODE	MATSUSHITA
D629	MA143A-X	DIODE	MATSUSHITA
PC1	PC817P-W	I.C(PH COUPLER)	SHARP
PC2	PC817P-W	I.C(PH COUPLER)	SHARP
R1	NRSA63J-333X	M.G.RESISTOR	33k 1/16W
R2	NRSA63J-105X	M.G.RESISTOR	1M 1/16W
R3	NRSA63J-224X	M.G.RESISTOR	220k 1/16W
R4	NRSA63J-101X	M.G.RESISTOR	100 1/16W
R5	NRSA63J-470X	M.G.RESISTOR	47 1/16W
R6	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R7	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R8	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R9	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R10	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R11	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R12	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R13	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R14	NRSA63J-472X	M.G.RESISTOR	4.7k 1/16W
R15	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R16	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R17	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R18	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R19	NRSA63J-681X	M.G.RESISTOR	680 1/16W
R20	NRSA63J-470X	M.G.RESISTOR	47 1/16W
R21	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R22	NRSA63J-470X	M.G.RESISTOR	47 1/16W
R23	NRSA63J-470X	M.G.RESISTOR	47 1/16W
R24	NRSA63J-470X	M.G.RESISTOR	47 1/16W
R25	NRSA63J-470X	M.G.RESISTOR	47 1/16W
R26	NRSA63J-470X	M.G.RESISTOR	47 1/16W
R27	NRSA63J-470X	M.G.RESISTOR	47 1/16W
R28	NRSA63J-470X	M.G.RESISTOR	47 1/16W
R29	NRSA63J-470X	M.G.RESISTOR	47 1/16W
R30	NRSA63J-470X	M.G.RESISTOR	47 1/16W
R31	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R32	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R33	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R34	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R35	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R36	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R37	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R38	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R39	NRSA63J-103X	M.G.RESISTOR	10k 1/16W

Symbol No.	Part No.	Part Name	Description
R40	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R49	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R50	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R101	NRSA63J-273X	M.G.RESISTOR	27k 1/16W
R102	NRSA63J-333X	M.G.RESISTOR	33k 1/16W
R103	NRSA63J-150X	M.G.RESISTOR	15 1/16W
R104	NRSA63J-681X	M.G.RESISTOR	680 1/16W
R105	NRSA63J-681X	M.G.RESISTOR	680 1/16W
R106	NRSA63J-121X	M.G.RESISTOR	120 1/16W
R107	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R108	NRSA63J-750X	M.G.RESISTOR	75 1/16W
R109	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R110	NRSA63J-390X	M.G.RESISTOR	39 1/16W
R111	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R112	NRSA63J-120X	M.G.RESISTOR	12 1/16W
R113	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R114	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R115	NRSA63J-273X	M.G.RESISTOR	27k 1/16W
R116	NRSA63J-272X	M.G.RESISTOR	2.7k 1/16W
R117	NRSA63J-152X	M.G.RESISTOR	1.5k 1/16W
R118	NRSA63J-151X	M.G.RESISTOR	150 1/16W
R119	NRSA63J-182X	M.G.RESISTOR	1.8k 1/16W
R123	NRSA63J-561X	M.G.RESISTOR	560 1/16W
R124	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R125	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R126	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R127	NRSA63J-153X	M.G.RESISTOR	15k 1/16W
R128	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R129	NRSA63J-331X	M.G.RESISTOR	330 1/16W
R130	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R131	NRSA63J-224X	M.G.RESISTOR	220k 1/16W
R132	NRSA63J-332X	M.G.RESISTOR	3.3k 1/16W
R133	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R134	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R135	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R136	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R137	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R138	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R142	NRSA63J-561X	M.G.RESISTOR	560 1/16W
R177	NRSA63J-472X	M.G.RESISTOR	4.7k 1/16W
R178	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R180	NRSA63J-222X	M.G.RESISTOR	2.2k 1/16W
R181	NRSA63J-822X	M.G.RESISTOR	8.2k 1/16W
R182	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R186	NRSA63J-681X	M.G.RESISTOR	680 1/16W
R187	NRSA63J-220X	M.G.RESISTOR	22 1/16W
R188	NRSA63J-220X	M.G.RESISTOR	22 1/16W
R194	NRSA63J-561X	M.G.RESISTOR	560 1/16W
R195	NRSA63J-473X	M.G.RESISTOR	47k 1/16W
R201	NRSA63J-273X	M.G.RESISTOR	27k 1/16W
R202	NRSA63J-333X	M.G.RESISTOR	33k 1/16W
R203	NRSA63J-150X	M.G.RESISTOR	15 1/16W
R204	NRSA63J-681X	M.G.RESISTOR	680 1/16W
R205	NRSA63J-681X	M.G.RESISTOR	680 1/16W
R206	NRSA63J-121X	M.G.RESISTOR	120 1/16W
R207	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R208	NRSA63J-750X	M.G.RESISTOR	75 1/16W
R209	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R210	NRSA63J-390X	M.G.RESISTOR	39 1/16W
R211	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R212	NRSA63J-120X	M.G.RESISTOR	12 1/16W
R213	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R214	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R215	NRSA63J-272X	M.G.RESISTOR	2.7k 1/16W
R216	NRSA63J-273X	M.G.RESISTOR	27k 1/16W
R217	NRSA63J-152X	M.G.RESISTOR	1.5k 1/16W
R218	NRSA63J-151X	M.G.RESISTOR	150 1/16W
R219	NRSA63J-182X	M.G.RESISTOR	1.8k 1/16W
R224	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R226	NRSA63J-561X	M.G.RESISTOR	560 1/16W
R227	NRSA63J-122X	M.G.RESISTOR	1.2k 1/16W
R228	NRSA63J-104X	M.G.RESISTOR	100k 1/16W

Symbol No.	Part No.	Part Name	Description
R229	NRSA63J-153X	M.G.RESISTOR	15k 1/16W
R230	NRSA63J-332X	M.G.RESISTOR	3.3k 1/16W
R231	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R232	NRSA63J-750X	M.G.RESISTOR	75 1/16W
R301	NRSA63J-273X	M.G.RESISTOR	27k 1/16W
R302	NRSA63J-333X	M.G.RESISTOR	33k 1/16W
R303	NRSA63J-150X	M.G.RESISTOR	15 1/16W
R304	NRSA63J-681X	M.G.RESISTOR	680 1/16W
R305	NRSA63J-681X	M.G.RESISTOR	680 1/16W
R306	NRSA63J-121X	M.G.RESISTOR	120 1/16W
R307	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R308	NRSA63J-750X	M.G.RESISTOR	75 1/16W
R309	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R310	NRSA63J-390X	M.G.RESISTOR	39 1/16W
R311	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R312	NRSA63J-120X	M.G.RESISTOR	12 1/16W
R313	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R314	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R315	NRSA63J-272X	M.G.RESISTOR	2.7k 1/16W
R316	NRSA63J-273X	M.G.RESISTOR	27k 1/16W
R317	NRSA63J-152X	M.G.RESISTOR	1.5k 1/16W
R318	NRSA63J-151X	M.G.RESISTOR	150 1/16W
R319	NRSA63J-182X	M.G.RESISTOR	1.8k 1/16W
R324	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R328	NRSA63J-561X	M.G.RESISTOR	560 1/16W
R329	NRSA63J-122X	M.G.RESISTOR	1.2k 1/16W
R330	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R331	NRSA63J-153X	M.G.RESISTOR	15k 1/16W
R332	NRSA63J-332X	M.G.RESISTOR	3.3k 1/16W
R333	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R401	NRSA63J-273X	M.G.RESISTOR	27k 1/16W
R402	NRSA63J-333X	M.G.RESISTOR	33k 1/16W
R403	NRSA63J-150X	M.G.RESISTOR	15 1/16W
R404	NRSA63J-681X	M.G.RESISTOR	680 1/16W
R405	NRSA63J-681X	M.G.RESISTOR	680 1/16W
R406	NRSA63J-121X	M.G.RESISTOR	120 1/16W
R407	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R408	NRSA63J-750X	M.G.RESISTOR	75 1/16W
R409	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R410	NRSA63J-390X	M.G.RESISTOR	39 1/16W
R411	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R412	NRSA63J-120X	M.G.RESISTOR	12 1/16W
R413	NRSA63J-182X	M.G.RESISTOR	1.8k 1/16W
R414	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R415	NRSA63J-272X	M.G.RESISTOR	2.7k 1/16W
R416	NRSA63J-273X	M.G.RESISTOR	27k 1/16W
R417	NRSA63J-152X	M.G.RESISTOR	1.5k 1/16W
R418	NRSA63J-151X	M.G.RESISTOR	150 1/16W
R424	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R425	NRSA63J-561X	M.G.RESISTOR	560 1/16W
R426	NRSA63J-122X	M.G.RESISTOR	1.2k 1/16W
R427	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R428	NRSA63J-153X	M.G.RESISTOR	15k 1/16W
R429	NRSA63J-332X	M.G.RESISTOR	3.3k 1/16W
R430	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R431	NRSA63J-750X	M.G.RESISTOR	75 1/16W
R501	NRSA63J-822X	M.G.RESISTOR	8.2k 1/16W
R502	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R503	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R504	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R505	NRSA63J-222X	M.G.RESISTOR	2.2k 1/16W
R506	NRSA63J-222X	M.G.RESISTOR	2.2k 1/16W
R507	NRSA63J-562X	M.G.RESISTOR	5.6k 1/16W
R508	NRSA63J-562X	M.G.RESISTOR	5.6k 1/16W
R509	NRSA63J-684X	M.G.RESISTOR	680k 1/16W
R510	NRSA63J-331X	M.G.RESISTOR	330 1/16W
R511	NRSA63J-272X	M.G.RESISTOR	2.7k 1/16W
R512	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R513	NRSA63J-183X	M.G.RESISTOR	18k 1/16W
R514	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R515	NRSA63J-122X	M.G.RESISTOR	1.2k 1/16W
R516	NRSA63J-152X	M.G.RESISTOR	1.5k 1/16W
R517	NRSA63J-152X	M.G.RESISTOR	1.5k 1/16W

Symbol No.	Part No.	Part Name	Description
R518	NRSA63J-183X	M.G.RESISTOR	18k 1/16W
R519	NRSA63J-152X	M.G.RESISTOR	1.5k 1/16W
R520	NRSA63J-152X	M.G.RESISTOR	1.5k 1/16W
R521	NRSA63J-152X	M.G.RESISTOR	1.5k 1/16W
R522	NRSA63J-272X	M.G.RESISTOR	2.7k 1/16W
R523	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R526	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R527	NRSA63J-122X	M.G.RESISTOR	1.2k 1/16W
R528	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R529	NRSA63J-153X	M.G.RESISTOR	15k 1/16W
R530	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R531	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R532	NRSA63J-562X	M.G.RESISTOR	5.6k 1/16W
R533	NRSA63J-562X	M.G.RESISTOR	5.6k 1/16W
R534	NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R535	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R536	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R537	NRSA63J-682X	M.G.RESISTOR	6.8k 1/16W
R538	NRSA63J-152X	M.G.RESISTOR	1.5k 1/16W
R539	NRSA63J-152X	M.G.RESISTOR	1.5k 1/16W
R540	NRSA63J-750X	M.G.RESISTOR	75 1/16W
R541	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R542	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R543	NRSA63J-682X	M.G.RESISTOR	6.8k 1/16W
R544	NRSA63J-152X	M.G.RESISTOR	1.5k 1/16W
R545	NRSA63J-152X	M.G.RESISTOR	1.5k 1/16W
R546	NRSA63J-750X	M.G.RESISTOR	75 1/16W
R547	NRSA63J-750X	M.G.RESISTOR	75 1/16W
R548	NRSA63J-750X	M.G.RESISTOR	75 1/16W
R549	NRSA63J-750X	M.G.RESISTOR	75 1/16W
R550	NRSA63J-750X	M.G.RESISTOR	75 1/16W
R551	NRSA63J-750X	M.G.RESISTOR	75 1/16W
R552	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R553	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R554	NRSA63J-750X	M.G.RESISTOR	75 1/16W
R556	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R557	NRSA63J-681X	M.G.RESISTOR	680 1/16W
R558	NRSA63J-681X	M.G.RESISTOR	680 1/16W
R561	NRSA63J-272X	M.G.RESISTOR	2.7k 1/16W
R562	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R563	NRSA63J-221X	M.G.RESISTOR	220 1/16W
R564	NRSA63J-750X	M.G.RESISTOR	75 1/16W
R601	NRSA63J-392X	M.G.RESISTOR	3.9k 1/16W
R602	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R603	NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R604	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R605	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R606	NRSA63J-392X	M.G.RESISTOR	3.9k 1/16W
R607	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R608	NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R609	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R610	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R611	NRSA63J-472X	M.G.RESISTOR	4.7k 1/16W
R612	NRSA63J-470X	M.G.RESISTOR	47 1/16W
R613	NRSA63J-472X	M.G.RESISTOR	4.7k 1/16W
R614	NRSA63J-470X	M.G.RESISTOR	47 1/16W
R616	NRSA63J-472X	M.G.RESISTOR	4.7k 1/16W
R617	NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R618	NRSA63J-560X	M.G.RESISTOR	56 1/16W
R619	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R620	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R621	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R622	NRSA63J-822X	M.G.RESISTOR	8.2k 1/16W
R623	NRSA63J-822X	M.G.RESISTOR	8.2k 1/16W
R624	NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R625	NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R626	NRSA63J-563X	M.G.RESISTOR	56k 1/16W
R627	NRSA63J-153X	M.G.RESISTOR	15k 1/16W
R628	NRSA63J-561X	M.G.RESISTOR	560 1/16W
R629	NRSA63J-563X	M.G.RESISTOR	56k 1/16W
R630	NRSA63J-822X	M.G.RESISTOR	8.2k 1/16W
R631	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R632	NRSA63J-122X	M.G.RESISTOR	1.2k 1/16W

[MAIN]

Symbol No.	Part No.	Part Name	Description
R633	NRSA63J-393X	M.G.RESISTOR	39k 1/16W
R635	NRSA63J-101X	M.G.RESISTOR	100 1/16W
R637	NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R638	NRSA63J-682X	M.G.RESISTOR	6.8k 1/16W
R639	NRSA63J-682X	M.G.RESISTOR	6.8k 1/16W
R640	NRSA63J-682X	M.G.RESISTOR	6.8k 1/16W
R641	NRSA63J-682X	M.G.RESISTOR	6.8k 1/16W
R642	NRSA63J-392X	M.G.RESISTOR	3.9k 1/16W
R643	NRSA63J-392X	M.G.RESISTOR	3.9k 1/16W
R644	NRSA63J-470X	M.G.RESISTOR	47 1/16W
R645	NRSA63J-470X	M.G.RESISTOR	47 1/16W
R646	NRSA63J-222X	M.G.RESISTOR	2.2k 1/16W
R648	NRSA63J-392X	M.G.RESISTOR	3.9k 1/16W
R650	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R651	NRSA63J-472X	M.G.RESISTOR	4.7k 1/16W
R652	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R653	NRSA63J-822X	M.G.RESISTOR	8.2k 1/16W
R654	NRSA63J-473X	M.G.RESISTOR	47k 1/16W
R655	NRSA63J-0R0X	M.G.RESISTOR	0 1/16W
R656	NRSA63J-473X	M.G.RESISTOR	47k 1/16W
R657	NRSA63J-473X	M.G.RESISTOR	47k 1/16W
R659	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R660	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R902	NRSA63J-152X	M.G.RESISTOR	1.5k 1/16W
R903	NRSA63J-332X	M.G.RESISTOR	3.3k 1/16W
R904	NRSA63J-332X	M.G.RESISTOR	3.3k 1/16W
R905	NRSA63J-562X	M.G.RESISTOR	5.6k 1/16W
VR15	NVP1415-103X	TRIM.RESISTOR	10k 2W S.TONE
VR16	NVP1415-103X	TRIM.RESISTOR	10k RTS S.TONE
VR101	NVP1415-203X	TRIM.RESISTOR	20k VBS FREQ
VR102	NVP1415-103X	TRIM.RESISTOR	10k VBS LEVEL
VR201	NVP1415-501X	TRIM.RESISTOR	500 R LEVEL
VR202	NVP1415-203X	TRIM.RESISTOR	20k R FREQ
VR301	NVP1415-501X	TRIM.RESISTOR	500 G LEVEL
VR302	NVP1415-203X	TRIM.RESISTOR	20k G FREQ
VR401	NVP1415-501X	TRIM.RESISTOR	500 B LEVEL
VR402	NVP1415-203X	TRIM.RESISTOR	20k B FREQ
C1	QEZ0547-688	E.CAPACITOR	6800
C2	QEZ0547-688	E.CAPACITOR	6800
C3	NCB31CK-103X	CER.CAPACITOR	0.01 25V
C4	QEH1EM-477	E.CAPACITOR	470 25V
C5	QEZ0548-828	E.CAPACITOR	8200
C8	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C9	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C10	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C11	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C12	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C14	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C15	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C17	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C23	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C24	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C25	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C26	NCB31CK-103X	CER.CAPACITOR	0.01 25V
C29	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C61	NCB31CK-103X	CER.CAPACITOR	0.01 25V
C62	NCB31CK-103X	CER.CAPACITOR	0.01 25V
C63	NCB31CK-103X	CER.CAPACITOR	0.01 25V
C64	NCB31CK-103X	CER.CAPACITOR	0.01 25V
C65	NCZ1024-103X	CER.CAPACITOR	0.01
C66	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C67	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C68	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C69	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C71	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C72	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C74	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C75	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C76	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C77	NCB31CK-104X	CER.CAPACITOR	0.1 16V

Symbol No.	Part No.	Part Name	Description
C81	NEH91HM-105X	E.CAPACITOR	1 50V
C82	QEZ0290-828	E.CAPACITOR	8200
C83	QETM1EM-228	E.CAPACITOR	2200 25V
C84	QEH1EM-477	E.CAPACITOR	470 25V
C85	QEZ0547-688	E.CAPACITOR	6800
C86	QEZ0548-828	E.CAPACITOR	8200
C87	QEH1EM-477	E.CAPACITOR	470 25V
C88	QEH1EM-477	E.CAPACITOR	470 25V
C93	QEZ0171-22A	E.CAPACITOR	
C101	NEH90JM-476X	E.CAPACITOR	47 6.3V
C102	NEH91CM-476X	E.CAPACITOR	47 16V
C103	NDC31HJ-121X	CER.CAPACITOR	120p 50V
C104	NDC31HJ-560X	CER.CAPACITOR	56p 50V
C105	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C107	NDC31HJ-470X	CER.CAPACITOR	47p 50V
C114	NDC31HJ-151X	CER.CAPACITOR	150p 50V
C115	NEH90JM-476X	E.CAPACITOR	47 6.3V
C116	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C117	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C118	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C119	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C120	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C121	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C149	NEH90JM-476X	E.CAPACITOR	47 6.3V
C188	NEH90JM-476X	E.CAPACITOR	47 6.3V
C196	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C198	NEH90JM-476X	E.CAPACITOR	47 6.3V
C199	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C201	NEH90JM-476X	E.CAPACITOR	47 6.3V
C202	NEH91CM-476X	E.CAPACITOR	47 16V
C203	NDC31HJ-121X	CER.CAPACITOR	120p 50V
C204	NDC31HJ-560X	CER.CAPACITOR	56p 50V
C205	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C207	NDC31HJ-220X	CER.CAPACITOR	22p 50V
C214	NDC31HJ-680X	CER.CAPACITOR	68p 50V
C215	NEH90JM-476X	E.CAPACITOR	47 6.3V
C217	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C218	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C220	NEN20JM-476X	N.P.CAPACITOR	47 6.3V
C221	NEH90JM-476X	E.CAPACITOR	47 6.3V
C222	NEH90JM-476X	E.CAPACITOR	47 6.3V
C223	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C301	NEH90JM-476X	E.CAPACITOR	47 6.3V
C302	NEH91CM-476X	E.CAPACITOR	47 16V
C303	NDC31HJ-121X	CER.CAPACITOR	120p 50V
C304	NDC31HJ-560X	CER.CAPACITOR	56p 50V
C305	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C307	NDC31HJ-220X	CER.CAPACITOR	22p 50V
C314	NDC31HJ-680X	CER.CAPACITOR	68p 50V
C315	NEH90JM-476X	E.CAPACITOR	47 6.3V
C317	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C318	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C319	NEH90JM-476X	E.CAPACITOR	47 6.3V
C320	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C321	NEH90JM-476X	E.CAPACITOR	47 6.3V
C401	NEH90JM-476X	E.CAPACITOR	47 6.3V
C402	NEH91CM-476X	E.CAPACITOR	47 16V
C403	NDC31HJ-121X	CER.CAPACITOR	120p 50V
C404	NDC31HJ-560X	CER.CAPACITOR	56p 50V
C405	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C407	NDC31HJ-220X	CER.CAPACITOR	22p 50V
C414	NDC31HJ-680X	CER.CAPACITOR	68p 50V
C415	NEH90JM-476X	E.CAPACITOR	47 6.3V
C417	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C418	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C420	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C421	NEH90JM-476X	E.CAPACITOR	47 6.3V
C422	NEH90JM-476X	E.CAPACITOR	47 6.3V
C501	NEH90JM-476X	E.CAPACITOR	47 6.3V
C502	NDC31HJ-151X	CER.CAPACITOR	150p 50V (U)
	NDC31HJ-121X	CER.CAPACITOR	120p 50V (E)
C504	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C505	NCB31CK-473X	CER.CAPACITOR	0.047 16V

Symbol No.	Part No.	Part Name	Description
C507	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C508	NDC31HJ-7R0X	CER.CAPACITOR	7p 50V
C509	NDC31HJ-560X	CER.CAPACITOR	56p 50V (U)
	NDC31HJ-470X	CER.CAPACITOR	47p 50V (E)
C510	NDC31HJ-8R0X	CER.CAPACITOR	8p 50V (U)
	NDC31HJ-5R0X	CER.CAPACITOR	5p 50V (E)
C511	NDC31HJ-560X	CER.CAPACITOR	56p 50V (U)
	NDC31HJ-470X	CER.CAPACITOR	47p 50V (E)
C512	NDC31HJ-8R0X	CER.CAPACITOR	8p 50V (U)
	NDC31HJ-5R0X	CER.CAPACITOR	5p 50V (E)
C513	NEH90JM-476X	E.CAPACITOR	47 6.3V
C514	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C515	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C516	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C517	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C518	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C519	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C520	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C522	NDC31HJ-150X	CER.CAPACITOR	15p 50V
C523	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C524	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C525	NEH90JM-476X	E.CAPACITOR	47 6.3V
C528	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C529	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C601	NEH91HM-105X	E.CAPACITOR	1 50V
C602	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C603	NEH91HM-105X	E.CAPACITOR	1 50V
C604	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C605	NEH71EM-476X	E.CAPACITOR	47 25V
C606	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C607	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C608	NEN21EM-106X	N.P.CAPACITOR	10 25V
C609	NDC31HJ-102X	CER.CAPACITOR	1000p 50V
C610	NEN21EM-475X	N.P.CAPACITOR	4.7 25V
C611	NDC31HJ-102X	CER.CAPACITOR	1000p 50V
C612	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C613	NDC31HJ-102X	CER.CAPACITOR	1000p 50V
C614	NDC31HJ-102X	CER.CAPACITOR	1000p 50V
C615	NEH71EM-107X	E.CAPACITOR	100 25V
C616	NCB31HK-332X	CER.CAPACITOR	3300p 50V
C617	NCB31EK-333X	CER.CAPACITOR	0.033 25V
C618	NDC31HJ-101X	CER.CAPACITOR	100p 50V
C619	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C620	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C621	NEN21EM-106X	N.P.CAPACITOR	10 25V
C622	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C623	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C624	NEN21EM-106X	N.P.CAPACITOR	10 25V
C625	NEH91HM-105X	E.CAPACITOR	1 50V
C626	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C627	NDC31HJ-101X	CER.CAPACITOR	100p 50V
C628	NDC31HJ-101X	CER.CAPACITOR	100p 50V
C629	NEH71EM-476X	E.CAPACITOR	47 25V
C630	NDC31HJ-102X	CER.CAPACITOR	1000p 50V
C631	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C632	NEH91HM-105X	E.CAPACITOR	1 50V
C633	NEH71EM-107X	E.CAPACITOR	100 25V
L1	QQR0035-001	COIL	
L4	QQR0035-001	COIL	
L5	QQR1227-001	COIL	
L501	NQL114K-100X	COIL	10uH
L502	NQL114K-100X	COIL	10uH
L503	NQL114K-100X	COIL	10uH
L504	NQL054K-120X	COIL	12uH
X2	NAX0137-001X	CRYSTAL	
TH901	QAD0135-150	THERMISTOR	15
S1	NSW0022-001X	DIP SWITCH	

Symbol No.	Part No.	Part Name	Description
S601	QSW0608-001	SLIDE SWITCH	TALLY V/M
S602	QSW0608-001	SLIDE SWITCH	RTS/2W
S603	QSW0323-001	SLIDE SWITCH	DYNAMIC/CARBON
CN1	QGA2001C1-15	CONNECTOR	15PIN
CN2	SM3490-004	CONNECTOR	4PIN
CN4	QGF0508C1-26W	CONNECTOR	26PIN
CN5	QGF0508C1-26W	CONNECTOR	26PIN
CN8	SM3490-004	CONNECTOR	4PIN
CN9	SM3490-004	CONNECTOR	4PIN
CN12	SM3490-005	CONNECTOR	5PIN
CN15	QGF0508C1-26W	CONNECTOR	26PIN
CN23	QGA2001C1-05	CONNECTOR	5PIN
CN26	SM3490-003	CONNECTOR	3PIN
TP8	NNZ0009-001X	TEST POINT	TP8-608
FC101	QNG0037-001Z	FUSE HOLDER	
FC102	QNG0037-001Z	FUSE HOLDER	
FC201	QNG0037-001Z	FUSE HOLDER	
FC202	QNG0037-001Z	FUSE HOLDER	
JK1	QND0016-001	S JACK	Y/C OUT
JK2	SCV1027	BNC CONNECTOR	VIDEO OUT
JK3	QNZ0533-001	BNC CONNECTOR	GENLOCK IN
JK4	QNZ0533-001	BNC CONNECTOR	AUX VIDEO IN
K1	NQR0022-003X	FERRITE BEADS	K1-24
△TB1	QNB0132-001	EARTH TERMINAL	
HS1	QZW0068-001	HEAT SINK	
SC1	QYSPSPD3008N	SCREW	M3x8, FOR HS1

5.2 FR1 BOARD ASSEMBLY PARTS LIST 0 2

SCK2655-02-00A

0 2

Symbol No.	Part No.	Part Name	Description
IC700	TC74HC4094AF-X	I.C.(M)	TOSHIBA
IC701	TC74HC74AF-X	I.C.(M)	TOSHIBA
IC702	TC74HC165AF-X	I.C.(M)	TOSHIBA
IC703	TC74HC14AF-X	I.C.(M)	TOSHIBA
IC704	TC74HC165AF-X	I.C.(M)	TOSHIBA
D700	MA143A-X	DIODE	MATSUSHITA
D701	MA143A-X	DIODE	MATSUSHITA
D702	MA143A-X	DIODE	MATSUSHITA
D703	MA143A-X	DIODE	MATSUSHITA
D704	MA143A-X	DIODE	MATSUSHITA
D705	MA143A-X	DIODE	MATSUSHITA
D706	MA143A-X	DIODE	MATSUSHITA
D707	MA143A-X	DIODE	MATSUSHITA
D708	MA143A-X	DIODE	MATSUSHITA
D709	MA143A-X	DIODE	MATSUSHITA
D710	MA143A-X	DIODE	MATSUSHITA
D711	MA143A-X	DIODE	MATSUSHITA
D712	MA143A-X	DIODE	MATSUSHITA
D713	MA143A-X	DIODE	MATSUSHITA
D714	MA143A-X	DIODE	MATSUSHITA
D715	MA143A-X	DIODE	MATSUSHITA
D716	MA143A-X	DIODE	MATSUSHITA
D717	MA143A-X	DIODE	MATSUSHITA
LD700	SLR-332MG3F	L.E.D.	ROHM
LD701	SLR-332MG3F	L.E.D.	ROHM
HD1	SC43656-065	LED SPACER	FOR LD700,701
R700	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R701	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R702	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R703	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R704	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R705	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R706	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R707	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R708	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R709	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R710	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R711	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R712	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R713	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R714	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R715	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R716	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R717	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R718	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R719	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R720	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R721	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R722	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R723	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R724	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R725	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R726	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R727	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R728	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R729	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R730	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R731	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R732	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R733	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
VR700	QVQ0305-B14	VAL.RESISTOR	10k IRIS
VR701	QVQ0305-B14	VAL.RESISTOR	10k MASTER BLK
VR702	QVQ0305-B14	VAL.RESISTOR	10k WHITE B
VR703	QVQ0305-B14	VAL.RESISTOR	10k WHITE R

Symbol No.	Part No.	Part Name	Description
C700	NEH91AM-336X	E.CAPACITOR	33 10V
C701	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C702	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C703	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C704	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C705	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C706	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C707	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C708	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C709	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C710	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C711	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C712	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C713	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C714	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C715	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C716	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C717	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C718	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C719	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C720	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C721	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C722	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C723	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C724	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C725	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C726	NCB31CK-104X	CER.CAPACITOR	0.1 16V
S700	QSW0935-002	PUSH SWITCH	MANU
S701	QSW0935-002	PUSH SWITCH	AUT W
S702	QSW0935-002	PUSH SWITCH	W.PNT
S703	QSW0935-002	PUSH SWITCH	MENU
S704	QSW0935-002	PUSH SWITCH	F4
S705	QSW0935-002	PUSH SWITCH	F3
S706	QSW0934-001	ROTARY SWITCH	GAIN
S707	QSW0934-001	ROTARY SWITCH	SHUTTER
S708	QSW0049-001	TOGGLE SWITCH	WHITE SELECT
S709	QSW0049-001	TOGGLE SWITCH	GAIN SELECT
CN700	QGF0508F2-26X	CONNECTOR	26PIN
SB1	QSW0940-001	SW BUTTON	FOR S700-705

5.3 FR2 BOARD ASSEMBLY PARTS LIST 03

SCK2655-03-00A

03

Symbol No.	Part No.	Part Name	Description
D800	MA143A-X	DIODE	MATSUSHITA
D801	MA143A-X	DIODE	MATSUSHITA
D802	MA143A-X	DIODE	MATSUSHITA
D803	MA143A-X	DIODE	MATSUSHITA
D804	MA143A-X	DIODE	MATSUSHITA
D805	MA143A-X	DIODE	MATSUSHITA
D806	MA143A-X	DIODE	MATSUSHITA
D807	MA143A-X	DIODE	MATSUSHITA
D808	MA143A-X	DIODE	MATSUSHITA
D809	MA143A-X	DIODE	MATSUSHITA
D810	MA143A-X	DIODE	MATSUSHITA
D811	MA143A-X	DIODE	MATSUSHITA
LD800	HLMP-2965	L.E.D.	
HD800	QNV0034-008	LED HOLDER	FOR LD800
R800	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R801	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R802	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R803	NRSA63J-330X	M.G.RESISTOR	33 1/16W
R804	NRSA63J-330X	M.G.RESISTOR	33 1/16W
R805	NRSA63J-330X	M.G.RESISTOR	33 1/16W
R806	NRSA63J-330X	M.G.RESISTOR	33 1/16W
R807	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R808	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R809	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R810	NRSA63J-471X	M.G.RESISTOR	470 1/16W
R811	NRSA63J-471X	M.G.RESISTOR	470 1/16W
VR800	QVQ0305-A54	VAL.RESISTOR	50k INCOM
C800	NEH91AM-336X	E.CAPACITOR	33 10V
C801	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C802	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C803	NCB31EK-103X	CER.CAPACITOR	0.01 25V
C804	NCB31EK-103X	CER.CAPACITOR	0.01 25V
S800	QSW0935-002	PUSH SWITCH	GREEN(BARS)
S801	QSW0935-001	PUSH SWITCH	RED(CALL)
S802	QSW0935-002	PUSH SWITCH	GREEN(F1)
S803	QSW0935-002	PUSH SWITCH	GREEN(F2)
S804	QSW0935-003	PUSH SWITCH	YELLOW(FULL AUT)
SB1	QSW0940-001	SW BUTTON	FOR S800-804
CN800	QGF0508F2-26X	CONNECTOR	26PIN

5.4 CC BOARD ASSEMBLY PARTS LIST 04

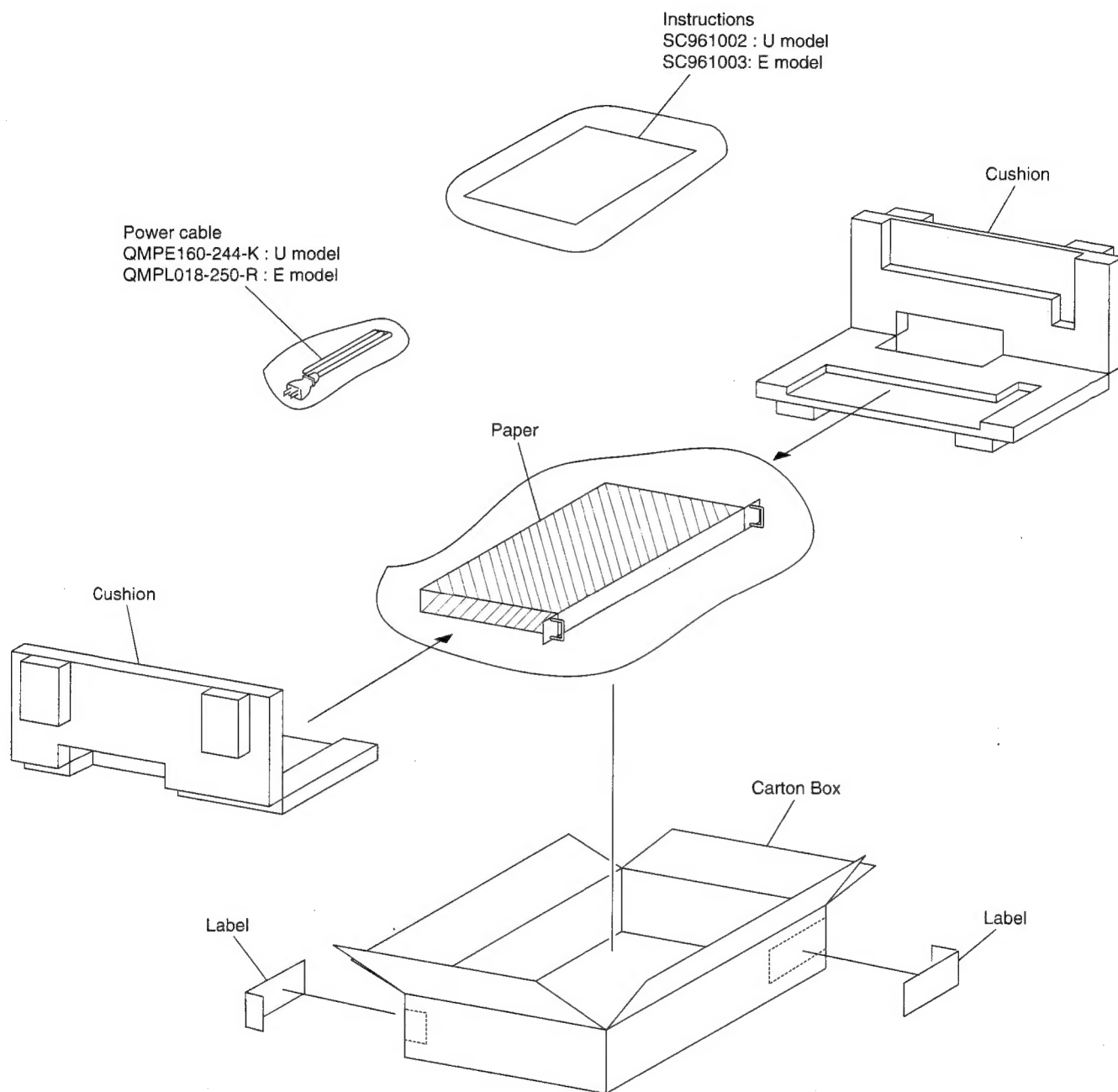
SCK2655-04-00A

04

Symbol No.	Part No.	Part Name	Description
R282	NRSA63J-121X	M.G.RESISTOR	120 1/16W
R283	NRSA63J-121X	M.G.RESISTOR	120 1/16W
R284	NRSA63J-750X	M.G.RESISTOR	75 1/16W
R285	NRSA63J-750X	M.G.RESISTOR	75 1/16W
R286	NRSA63J-121X	M.G.RESISTOR	120 1/16W
R287	NRSA63J-750X	M.G.RESISTOR	75 1/16W
R288	NRSA63J-121X	M.G.RESISTOR	120 1/16W
R289	NRSA63J-750X	M.G.RESISTOR	75 1/16W
S35	NSW0022-003X	DIP SWITCH	
S36	NSW0022-003X	DIP SWITCH	
CN16	QGF0508C1-26W	CONNECTOR	26PIN
CN17	QNZ0246-001	CONNECTOR	26PIN
CN21	QGA3901C1-02	CONNECTOR	2PIN
NP1	SC43454-001	NUT PLATE	

SECTION 6 PACKING

6.1 PACKING ASSEMBLY M1



■ The factory setting of volume and switch

Name (Front panel)	Setting
IRIS MASTER BLACK WHITE R, B INTERCOM LEVEL	Center position
GAIN STEP switch	LOW
W. BAL switch	PRESET

Note: Accessories above are subject to change without notice.